

Acid Dyes: Burnt Orange**MSDS No: #604****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #604
Chemical Family:
Color Index Name: Acid Orange
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Orange
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Aztec Gold**MSDS No: #633****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #633
Chemical Family:
Color Index Name: Acid Yellow
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Yellow
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Bright Yellow**MSDS No: #602****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #602
Chemical Family:
Color Index Name: Acid Yellow
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Yellow
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Brilliant Blue**MSDS No: #623****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #623

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Brown**MSDS No: #635****Effective Date: 09/02/02****Amendatory Date: 03/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #635

Chemical Family:

Color Index Name: Acid Brown

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Brown

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Burgundy**MSDS No: #610****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #610

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Chartreuse**MSDS No: #628****Effective Date: 03/06/90****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #628

Chemical Family: Copper Phthalocyanine

Color Index No: 6384

Color Index Name: 74180

T.S.C.A Status:

2. Hazardous Ingredients

Hazardous Components: C.I. Direct Blue 86 (copper compound, sara 313) %:30; Copper (7440-50-8) sara 313

Current TLV's:

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH:

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Wear SCBA

Unusual Hazards: Avoid dusting conditions, may form explosive dust mixtures with air

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): >5 g/kg

Fish, LC50: >1,000mg/l 96hr (Blue Gill)

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: N/A

6. Emergency and First Aid Procedures

Eye Contact: Flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention right away.

Skin Contact: wash affected skin areas thoroughly with soap and water. If irritation develops, consult a physician.

Ingestion: If swallowed, dilute with water and induce vomiting. Get immediate medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

Inhalation: If inhaled, move to fresh air. If breathing is difficult, give oxygen and get medical attention right away.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: Rubber gloves, Apron, Coveralls to minimize skin contact

Respiratory Protection: Dust respirator

Ventilation: Local

Other:

8. Reactivity Data

Stability: Stable

Polymerization: Will not occur

Incompatibility (materials to avoid): None

Hazardous Decomposition Products: Burning will produce oxides of carbon & nitrogen

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Wear appropriate safety equipment. Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents, sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drum, follow disposal instructions. Scrub spill area with detergent flush with copious amounts of water.

Waste Disposal Method: Bury or incinerate according to Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: In accord with good industrial practice, handle this product with care and avoid personal contact.

11. Shipping Data

Proper Shipping Name: Dot not regulated

D.O.T. Hazard Classification: N/A

Frt. Class Package:

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Acid Dyes: Cherry Red**MSDS No: #617****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #617

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Chestnut**MSDS No: #632****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #632

Chemical Family:

Color Index Name: Acid Brown

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Brown

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Crimson**MSDS No: #619****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #619

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Deep Orange**MSDS No: #606****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #606

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Ecrú**MSDS No: #600****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #600
Chemical Family:
Color Index Name: Acid Mixture
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Off-white
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Emerald**MSDS No: #629****Effective Date: 03/06/90****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: 629

Chemical Family: Copper Phthalocyanine

Color Index No: 6384

Color Index Name: 74180

T.S.C.A Status:

2. Hazardous Ingredients

Hazardous Components: C.I. Direct Blue 86 (copper compound, sara 313) %:30; Copper (7440-50-8) sara 313

Current TLV's:

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH:

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Wear SCBA

Unusual Hazards: Avoid dusting conditions, may form explosive dust mixtures with air

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): >5 g/kg

Fish, LC50: >1,000mg/l 96hr (Blue Gill)

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: N/A

6. Emergency and First Aid Procedures

Eye Contact: Flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention right away.

Skin Contact: wash affected skin areas thoroughly with soap and water. If irritation develops, consult a physician.

Ingestion: If swallowed, dilute with water and induce vomiting. Get immediate medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

Inhalation: If inhaled, move to fresh air. If breathing is difficult, give oxygen and get medical attention right away.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: Rubber gloves, Apron, Coveralls to minimize skin contact

Respiratory Protection: Dust respirator

Ventilation: Local

Other:

8. Reactivity Data

Stability: Stable

Polymerization: Will not occur

Incompatibility (materials to avoid): None

Hazardous Decomposition Products: Burning will produce oxides of carbon & nitrogen

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Wear appropriate safety equipment. Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents, sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drum, follow disposal instructions. Scrub spill area with detergent flush with copious amounts of water.

Waste Disposal Method: Bury or incinerate according to Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: In accord with good industrial practice, handle this product with care and avoid personal contact.

11. Shipping Data

Proper Shipping Name: Dot not regulated

D.O.T. Hazard Classification: N/A

Frt. Class Package:

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Acid Dyes: Fire Red**MSDS No: #618****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #618

Chemical Family:

Color Index Name: Direct Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Gold Ochre**MSDS No: #636****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #636
Chemical Family:
Color Index Name: Acid Orange
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Orange
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Golden Yellow**MSDS No: #603****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #603
Chemical Family:
Color Index Name: Acid Yellow
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Yellow
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Gun Metal**MSDS No: #637****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #637

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Hot Fuchsia**MSDS No: #620****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #620

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Jet Black**MSDS No: #639****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #639

Chemical Family:

Color Index Name: Acid Black

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Black

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Kelly Green**MSDS No: #627****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #627

Chemical Family:

Color Index Name: Acid Green

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Green

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Lilac**MSDS No: #612****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #612

Chemical Family:

Color Index Name: Acid Purple

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Purple

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Navy Blue**MSDS No: #626****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #626

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Olive**MSDS No: #634****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #634
Chemical Family:
Color Index Name: Acid Orange
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Brownish-orange
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Periwinkle**MSDS No: #615****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #615

Chemical Family:

Color Index Name: Acid Purple

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Purple

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Pink**MSDS No: #608****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #608

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Pink

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Pumpkin Orange**MSDS No: #605****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #605
Chemical Family:
Color Index Name: Acid Orange
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Orange
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Purple**MSDS No: #613****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #613

Chemical Family:

Color Index Name: Acid Purple

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Purple

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Royal Blue**MSDS No: #625****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #625

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Russet**MSDS No: #616****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #616

Chemical Family:

Color Index Name: Acid Black

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Black

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Salmon**MSDS No: #607****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #607

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Sapphire Blue**MSDS No: #622****Effective Date: 03/06/90****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #622

Chemical Family: N/A

Color Index Name: Acid Blue

T.S.C.A Status:

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's:

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH:

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Wear SCBA

Unusual Hazards: Avoid dusting conditions, may form explosive dust mixtures with air

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes & skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remains. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non-Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Scarlet**MSDS No: #609****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #609

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Silver Gray**MSDS No: #638****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #638

Chemical Family:

Color Index Name: Acid Black

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Black

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Sky Blue**MSDS No: #621****Effective Date: 03/06/90****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #621

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status:

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's:

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH:

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Wear SCBA

Unusual Hazards: Avoid dusting conditions, may form explosive dust mixtures with air

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes & skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remains. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non-Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Spruce**MSDS No: #630****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #630

Chemical Family:

Color Index Name: Acid Black

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Black

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Teal**MSDS No: #631****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #631

Chemical Family:

Color Index Name: Acid Green

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Green

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Turquoise**MSDS No: #624****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #624

Chemical Family:

Color Index Name: Acid Blue

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Blue

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Vermillion**MSDS No: #611****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #611

Chemical Family:

Color Index Name: Acid Red

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Red

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Violet**MSDS No: #614****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye

Product Code: #614

Chemical Family:

Color Index Name: Acid Violet

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Violet

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: N/A

Extinguishing Media: Water, Dry Chemical, CO2, Foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data

Fish, LC50: No Data

Eye Effects: Irritation

Skin Effects: Irritation

Human Effects of Overexposure: Contact with eyes and skin may result in irritation.

Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.

Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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Acid Dyes: Yellow Sun**MSDS No: #601****Effective Date: 09/02/02****Amendatory Date: 3/14/7****1. Product Identification**

Product Name: Jacquard Acid Dye
Product Code: #601
Chemical Family:
Color Index Name: Acid Yellow
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: None
Current TLV's: None
Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder
Color: Yellow
Odor: None
Solubility in Water: Soluble
pH: N/A

4. Fire and Explosive Data

Flash Point: N/A
Extinguishing Media: Water, Dry Chemical, CO2, Foam
Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay up wind, out of low areas, and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No Data
Fish, LC50: No Data
Eye Effects: Irritation
Skin Effects: Irritation
Human Effects of Overexposure: Contact with eyes and skin may result in irritation.
Ingestion may result in gastric disturbances. Inhalation may cause respiratory irritation.

6. Emergency and First Aid Procedures

Eye Contact: Wash immediately with large amounts of water, occasionally lifting the upper and lower lids until no evidence of product remain. Get medical attention. Do not wear contact lenses while handling.
Skin Contact: Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
Ingestion: If swallowed, do not induce vomiting. Qualified medical personnel should remove the product by gastric lavage and catharsis. Get medical attention.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

7. Employee Protection Recommendations

Eye Protection: Goggles

Skin Protection: This material may be absorbed via the dermal route if prolonged or widespread skin contact occurs. Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, rubber gloves and boots are recommended. Additional protection, such as impervious suits, are recommended when potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work.

Respiratory Protection: Dust respirator

Ventilation: Local

Other: Emergency showers and eye wash stations should be available.

8. Reactivity Data

Stability: Stable

Polymerization: Not likely

Incompatibility (materials to avoid): None known

Hazardous Decomposition Products: Like any other organic product combustion will produce carbon dioxide and may produce carbon monoxide. Oxides of nitrogen and sulfur may also be produced.

9. Spill or Leak Procedures

In Case Material is Released/Spilled: Do not touch or walk through spilled material; stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent materials and place into containers for later disposal. Scrub spilled area with detergent, flush with copious amounts of water.

Waste Disposal Method: Waste disposal should be in accordance with existing Federal, State and Local regulations.

10. Special Precautions and Storage Data

Handling and Storing Precautions: Store in a dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact.

11. Shipping Data

Proper Shipping Name: Non Hazardous Material

D.O.T. Hazard Classification: Non-regulated

Frt. Class Package: 55

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