

Idye: Poly Black**MSDS No: # 454 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Black

Product Code: #454

Chemical Family: Proprietary Mix

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Brown/Black

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

Notice to Reader

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California list of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed).

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components listed under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Blue**MSDS No: # 451 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Blue
Product Code: #451
Chemical Family: Anthraquinone
T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A
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: Not Applicable
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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data
Fish, LC: No data
Eye Effects: Irritant
Skin Effects: Irritant
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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Brown**MSDS No: # 453 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Brown

Product Code: #453

Chemical Family: Proprietary Mix

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

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: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Green**MSDS No: # 452 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Green

Product Code: #452

Chemical Family: Proprietary Mix

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Light Brown

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Orange**MSDS No: # 448 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Orange

Product Code: #448

Chemical Family: Monoazo

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

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: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Red**MSDS No: # 449 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Red

Product Code: #449

Chemical Family: Disazo

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Dark Violet

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

Notice to Reader

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Idye: Poly Violet**MSDS No: # 450 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Violet
Product Code: #450
Chemical Family: Anthraquinone
T.S.C.A Status: Compliance

2. Hazardous Ingredients

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

3. Physical Data

Appearance: Powder
Color: Dark Blue
Odor: None
Solubility in Water: Dispersible
pH: N/A

4. Fire and Explosive Data

Flash Point: Not Applicable
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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data
Fish, LC: No data
Eye Effects: Irritant
Skin Effects: Irritant
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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

Clean Air Act-Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61): Glycol ethers SEQ548 (.37%)-Listed

Clean Air Act-Volatile Organic Compounds (VOC): This product contains the following SOCM Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 50.100): Benzyl benzoate 120-51-4-Listed. Propanol, oxybis (Dipropylene glycol) 25265-71-8-Listed.

Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

SARA Section 204 CERCLA Hazardous Substances: This product contains the following components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (CERCLA list):

Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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Idye: Poly Yellow**MSDS No: # 447 Effective Date: 10/22/7****Amendatory Date: 11/6/7****1. Product Identification**

Product Name: iDye Poly Yellow

Product Code: #447

Chemical Family: Quinoline

T.S.C.A Status: Compliance

2. Hazardous Ingredients

Hazardous Components: N/A

Current TLV's: None

Contains less than 50ppm of lead

3. Physical Data

Appearance: Powder

Color: Dark Yellow

Odor: None

Solubility in Water: Soluble

pH: N/A

4. Fire and Explosive Data

Flash Point: Not Applicable

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 and any entry. Stay upwind, out of low lying areas and ventilate closed spaces before entering.

5. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): No data

Fish, LC: No data

Eye Effects: Irritant

Skin Effects: Irritant

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 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: Employees should wear protective eye goggles.

Skin Protection: This material may be absorbed via the dermal route is 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: NIOSH approved dust respirator.

Ventilation: Use local ventilation is dusting is a problem.

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 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 Ink Material

D.O.T. Hazard Classification: Not Regulated

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12. Product Identification

Product Name: iDye Carrier

Product Code: none

Chemical Family: Aqueous Emulsion of Organic Esters

13. Hazardous Ingredients

Hazardous Components: Benzyl benzoate, cas# 120-51-4 weight: 20-30%

OSHA hazardous Substance: This material is classified as hazardous under OSHA regulations.

14. Physical Data

Appearance: Liquid

Color: Amber

Solubility in Water: Not determined

pH: 3-5

Boiling point: ~212 degrees F

Freezing/Melting point: < -40 degrees F

Percent Volatile: 80-90%

VOC: ~52% (estimated, based on component weight %)

15. Fire and Explosive Data

Flash Point: >199 degrees F (closed cup)

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures/Unusual Fire or Explosive Hazards: Standard procedure for chemical fires. Wear self-contained breathing apparatus and protective suit. Burning may produce toxic combustion products.

16. Health Effects Data

Animal Toxicity Oral – LD50 (ingestion): Not determined.

Fish, LC50: Not determined

Eye Effects: Product has not been tested. Components in greater than 1 percent concentration is known to be an irritant.

Skin Effects: Product has not been tested. Components in greater than 1 percent concentration have been found to be an irritant.

Carcinogenicity (IARC, NTP, OSHA, ACGIH): None of the components in this product at concentrations greater than .1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Biochemical Oxygen Demand: 317 mg/g

Chemical Oxygen Demand: 1,334 mg/g

Health Effects: May cause eye and skin irritation. Harmful if swallowed.

Primary Routes of Entry: Skin, Inhalation, Eyes

17. Emergency and First Aid Procedures

Eye Contact: In the case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation occurs.

Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Inhalation: Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult give oxygen and get immediate medical attention.

18. Employee Protection Recommendations

Eye Protection: Wear splash proof chemical goggles.

Skin Protection: Wear chemical resistant gloves and protective clothing.

Respiratory Protection: Use NIOSH approved respirator as needed to mitigate exposure.

Ventilation: Work in well ventilated areas. Do not breathe vapors or mist.

Other: Eye wash station and safety shower should be available in immediate work area.

Select additional protective equipment based on upon potential for exposure.

19. Reactivity Data

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents, strong acids, strong bases.

Hazardous Decomposition Products: No decomposition expected under normal storage conditions.

20. Spill or Leak Procedures

In Case Material is Released/Spilled: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Wear suitable protective equipment.

Should not be released into the environment.

Waste Disposal Method: Dispose in accordance with local, state, provincial and federal regulations.

21. Special Precautions and Storage Data

Handling and Storing Precautions: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation. Keep containers tightly closed in a cool, well-ventilated place.

22. Regulatory Information**Federal Regulations:**

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Clean Air Act-Ozone Depleting Substances (ODS): This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act-Priority Pollutants (PP): This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15).

Resource Conservation and Recover Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 302) as Extremely Hazardous Substances.

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Phosphoric acid, 7664-38-2 (.461908%)-listed, CERCLA Reportable quantity=5000lbs

Glycol ethers, SEQ548 (.37%)-listed, Reportable quantity=No RQ assigned.

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard(s): Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): This product does not contain any components listed on the Section 313 Toxic Chemical List.

TSCA Section 8(b) Inventory Status: All components comprising this product are either exempt or listed on the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCA Section 5(f): This product is not subject to a Section 5(f)(a) rule.

TSCA Section 12(b) Export Notification: This product does not contain any components that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California of known carcinogens and reproductive toxins.

Pennsylvania Right-to-know: This product contains the following components which are subject to Pennsylvania right to know disclosure requirements: propanol, oxybis (dipropylene glycol, 25265-71-8-listed.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any components lists under the Chemical Weapons Convention Schedule of Chemicals.

Domestic Substance List (DSL) Status: Not all components are listed on the DSL.

23. Shipping Data

D.O.T. Hazard Classification: Not regulated for this mode of transport.

International Maritime Dangerous Goods: Not regulated for this mode of transport.

International Air Transportation Authority: Not regulated for this mode of transport.

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