



# MASTER ALL-PURPOSE THINNER

DATE: June 13, 2012

## Material Safety Data Sheet

### SECTION 1 – COMPANY IDENTIFICATION

**COMPANY:** .....Petronio Shoe Products  
305 Cortlandt Street  
Belleville, NJ 07109  
973-751-7579

**EMERGENCY PHONE:** .....800-535-5053 (INFOTRAC)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

**CONTAINS:** 30-40% Hexane (Mixed Isomers) (110-54-3) [203-777-6]  
30-35% Toluene (108-88-3) [203-625-9]  
10-20% N-Hexane (110-54-3)  
5-15% Methyl Ethyl Ketone (78-93-3) [201-159-0]  
Number in parentheses is CAS#, number in brackets is European EC#.

### SECTION 3 – HAZARDOUS IDENTIFICATIONS

**EXPOSURE PREVENTION: STRICT HYGIENE!**

**AVOID EXPOSURE OF (PREGNANT) WOMEN.**

**Risk Statements:**

R36/37/38 Irritating to eyes, respiratory system and skin.  
R48 Harmful: danger of serious damage to health by prolonged exposure  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R20/65 Harmful by inhalation may cause lung damage if swallowed.  
R12/13 Extremely Flammable! Serious static electricity fire hazard!  
R18 In use may form flammable/explosive vapor-air mixture.  
R62 Possible risk of impaired fertility.  
R63 Possible risk of harm to unborn child.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapors may cause drowsiness and dizziness.

**Safety Statements:**

S36/37 Wear suitable protective clothing and gloves.  
S2 Keep out of reach of children.  
S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition. No smoking.  
S23 Do not breathe gas, fumes, vapor or spray.  
S29 Do not empty into drains.  
S33 Take precautionary measures against static discharges.  
S46 If swallowed, seek medical advice immediately, and show this container or label.  
S61 Avoid release to the environment. Refer to special instructions/data sheet.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.



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### SECTION 4 - FIRST AID MEASURES

**EYES:** Flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**SKIN:** Immediately remove contaminated clothing. Wash immediately with soap and water. Wash contaminated clothing before re-use.

**INHALATION:** After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation. (CPR).

**SWALLOWING:** Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

### SECTION 5 - FIRE FIGHTING MEASURES AND FIRE HAZARDS

#### FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Use a closed system, ventilation, explosion-proof electrical equipment, and lighting. Do NOT use compressed air for filling, discharging or handling.

#### EXTINGUISHING MEDIA

Use dry powder, AFFF, foam, carbon dioxide.

#### SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves, and rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

#### UNUSUAL EXPLOSION AND FIRE PROCEDURES

**EXTREMELY FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE**

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment, & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surface requires special precautions.

Empty container very hazardous! Continue all label precautions!

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### PERSONAL PROTECTIVE MEASURES:

**EVACUATE DANGER AREA!** Consult an expert!

Vapors may ignite explosively & spread long distances. Prevent vapor buildup.

Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources. Use self-contained breathing apparatus.

#### CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent. Remove to safe place. Do NOT wash away into sewer. Do NOT let this chemical enter the environment.



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## SECTION 7 – HANDLING AND STORAGE

### HANDLING

Isolate from oxidizers, heat, sparks, electric equipment, & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid contact with skin & eyes. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron, & footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

### STORAGE

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone. Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids. Keep cool. Do not store above 49 C/ 120 F. Keep container tightly closed & upright when not in use to prevent leakage.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

### RESPIRATORY EXPOSURE CONTROLS:

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI z86.2 requirements or European standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### VENTILATION:

LOCAL EXHAUST : Necessary  
MECHANICAL (GENERAL) : Acceptable  
SPECIAL : None  
OTHER : None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

### PERSONAL PROTECTION:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron, & footwear impervious to this material. Wash clothing before reuse.

### WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at end of each work shift & before eating, smoking, or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

## SECTION 9 – PHYSICAL DATA

APPEARANCE:	Liquid, Water-White
ODOR:	Ketone
BOILING RANGE:	64 74 111 C/148 166 232 F
AUTO IGNITION TEMPERATURE:	321 C / 610 F (Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol.):	1.3
FLASH POINT (TEST METHOD):	-26C/-16F (TCC) (Lowest Component)



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### SECTION 9 – PHYSICAL DATA CONT'D

<b>FLAMMABILITY CLASSIFICATION:</b>	Class I B
<b>GRAVITY @ 68/68 F / 20/20 C:</b>	
<b>API:</b>	57.0
<b>SPECIFIC GRAVITY (WATER=1):</b>	0.751
<b>POUNDS/GALLON:</b>	6.253
<b>VOC'S (&gt;0.44 LBS/Sq. In):</b>	100.0 vol% / 750.7 g/L 6.253 lbs/Gal
<b>TOTAL VOC'S (TVOC):</b>	100.0 vol% / 750.7 g/L 6.253 lbs/Gal
<b>NONEXEMPT VOC'S (CVOC):</b>	100.0 vol% / 750.7 g/L 6.253 lbs/Gal
<b>HAZARDOUS AIR POLLUTANTS (HAPS):</b>	51.1 wt. % / 383.8 g/L 3.196 lbs/Gal
<b>VAPOR PRESSURE (mm of Hg) @ 20 C:</b>	98.4
<b>Nonexempt Voc Partial Pressure (mm of Hg) @ 20 C:</b>	98.4
<b>VAPOR DENSITY (AIR=1):</b>	3.0
<b>WATER ABSORPTION:</b>	Moderate
<b>REFRACTIVE INDEX:</b>	1.417
<b>MIXED ANILINE POINT (Acid Insol):</b>	47 C / 118 F

### SECTION 10 – STABILITY & REACTIVITY

#### STABILITY

Stable under normal conditions.

#### CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

#### MATERIALS TO AVOID

Reacts violently with strong oxidants, causing fire & explosion hazard. Attacks many plastics, rubber, coatings.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

#### HAZARDOUS POLYMERIZATION

Will not occur.

### SECTION 11 – TOXICOLOGICAL INFORMATION

MATERIAL	CAS#	TWA (OSHA)	TLV(ACGIH)	HAP
Hexane (Mixed Isomers)	110-54-3	500 ppm	500 ppm	YES
Toluene	108-88-3	200 ppm	50 ppm A4	YES
n-Hexane	110-54-3	500 ppm	50 ppm	YES
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm	NO

In addition to EPA Hazardous Air Pollutants showing YES under HAP above, using manufacturers data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Mixed Xylenes, Ethylbenzene.



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### SECTION 11 – TOXICOLOGICAL INFORMATION

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Hexane (Mixed Isomers)	110-54-3	None known	1000 ppm
Methyl Ethyl Ketone	78-93-3	None known	300 ppm

#### ACUTE HAZARDS

##### EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure  
Primary irritation to eyes, redness, tearing, blurred vision.  
Liquid can cause eye irritation. Wash thoroughly after handling.

##### INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression.  
Vapor harmful. Acute overexposure can cause hard to kidneys, blood, nerves, liver, lungs.  
Use of alcoholic beverages enhances the harmful effect.

##### SWALLOWING:

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

#### SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

##### CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS

##### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS;

Methyl ethyl Ketone may potentiate peripheral neuropathy when mixed with n-Hexane.  
Pregnant women should avoid use. May cause birth defects.  
Leukemia been reported in humans from Benzene.  
This product contains less than 158 ppm if Benzene.  
Not considered hazardous in such low concentrations.  
Absorption thru skin may be harmful. Studies with laboratory animals  
Indicate this product can cause damage to fetus.  
Depending on degree of exposure, periodic medical examination is indicated.

### SECTION 12 – ECOLOGICAL INFORMATION

#### MAMMALIAN INFORMATION;

MATERIAL	CAS#	LOWEST KNOWN LETHAL DOSE DATA
Toluene	108-88-3	Lowest known LD50 (ORAL) 3000.0 mg/kg (Rats)
Methyl Ethyl Ketone	78-93-3	Lowest known LC50 (VAPORS) 2000 ppm (Rats)
Toluene	108-88-3	Lowest known LD50 (SKIN) 4000.0 mg /kg (Rabbits)



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## SECTION 12 – ECOLOGICAL INFORMATION CONT'D

### AQUATIC ANIMAL INFORMATION:

The most sensitive know aquatic group to any component of this product is; Fish exposed to 5120 ppm or mg/L are adversely affected by components of this product. Keep out of sewers and natural water supplies. The substance is toxic to aquatic organisms.

### MOBILITY

This material is a mobile liquid

### DEGRADABILITY

This product is partially biodegradable

### ACCUMULATION

This product does not accumulate or biomagnify in the environment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Processing, use of contamination may change the waste management options. Recycle/dispose of observing national, regional, state, provincial, and local health, safety and pollution laws. If in doubt, contact appropriate agencies.

## SECTION 14 – TRANSPORT INFORMATION

IF CONTAINER HAS > PRODUCT RQ (SEE SECTION 15) PUT "RQ" BEFORE SHIPPING NAME.

DOT SHIPPING NAME: UN1263, Paint related material, 3, PG-II  
(FLAMMABLE LIQUID)

IATA/ICAO: UN1263, Paint related material, 3, PG-II

IMO/IMDG: UN1263, Paint related material, 3, PG-II

EMERGENCY RESPONSE GUIDEBOOK NUMBER; 128

## SECTION 15 –REGULATORY INFORMATION

### EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Fire.

All components of this product are on the TSCA list

SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT%	(REG. SECTION)	RQ(LBS)
*Hexane (Mixed Isomers)	110-54-3	38	(311,312,313)	5000
*Toluene	108-88-3	34	(311,312,313, RCRA)	1000
*N-Hexane	110-54-3	16	(311,312,313, RCRA)	5000
Methyl Ethyl Ketone	78-93-3	10	(311,312)	5000

>2876 LB / 1307 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF TOLUENE.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State and local regulations may be more restrictive than federal regulations.



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### SECTION 15 – REGULATORY INFORMATION CONT'D

#### STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the state of California to cause reproductive toxicity: Toluene

#### INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia, Canada, China, Eurpoe (EINECS), Japan, Korea, United Kingdom.

### SECTION 16 – OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA): 1    HEALTH (HMIS) 2,    FLAMMABILITY: 3,    REACTIVITY: 0

(Personal Protection rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

#### EMPLOYEE TRAINING

See Section 3 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

#### NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication of use of, or reliance upon, information contained herein.

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