



Petronio  
Shoe  
Products

# PETRONIO'S #8 RUBBER CEMENT THINNER

DATE: January 10, 2013

## 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

MATERIALS	CAS#	EINECS#	WT%
n-Heptane	142-82-5	205-563-8	30-45
3-Methylhexane	589-34-4	-----	0-30
Methylcyclohexane	108-87-2	-----	0-20
2- Methylhexane	591-76-4	-----	0-15
2,3-Dimethylpentane	565-59-3	-----	0- 5
3-Ethylpentane	617-78-7	-----	0- 5

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification Systems Standard (CPR 4).

**See Sections 8, 11 & 12 for Toxicological Information**

### SECTION 3 – HAZARDOUS IDENTIFICATIONS

**Hazard Statements:**

- H100s= General, H200s= Physical, H300s= Health, H400s = Environmental
- H225 Highly Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation
- H320 Causes eye irritation
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H410 Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**
- P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
- P243 Take precautionary measures against static discharge
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P403 Store in a well-ventilated place.



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### SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

**SKIN CONTACT:** If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before re-use, discard contaminated shoes.

**INHALATION:** After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. If unconscious, place in recovery position and get medical attention. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation. (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**SWALLOWING:** If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

**NOTES TO PHYSICIAN:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration ( such as : Gastric lavage after endotracheal intubation).

### 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.



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### SECTION 5 - FIRE FIGHTING MEASURES AND FIRE HAZARDS CONT'D

#### UNUSUAL EXPLOSION AND FIRE PROCEDURES

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

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

#### **SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of spill, clear the affected area, protect people, and respond with trained personnel.

**PERSONAL PROTECTIVE EQUIPMENT:** The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves (triple gloves (rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exists. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

**ENVIRONMENTAL PRECAUTIONS:** Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

#### **CONTAINMENT AND CLEAN-UP MEASURES:**

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary neutralize using suitable buffering materials, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustable absorbent (such as: sand, soil and so on). Shovel up and place all spill residues in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal. (see Section 13 – Disposal Considerations). 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.

### 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!



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## SECTION 7 – HANDLING AND STORAGE CONT'D

### 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. Do not store above 49 C/ 120 F. Keep container tightly closed & upright when not in use to prevent leakage.

### NONBULK CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning of "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

### BULK CONTAINERS:

All tanks and pipelines which contain this material should be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

### TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturers' recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (See Section 8, Exposure Controls and Personal Protection). All loading and unloading equipment must be inspected, prior to use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. A sample (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

### PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

MATERIALS	CAS#	EINECS#	TWA (OSHA)	TLV(ACGIH)	
n-Heptane	142-82-5	205-563-8	500 ppm	400ppm	
3-Methylhexane	589-34-4	-----	500 ppm	400ppm	
Methylcyclohexane	108-87-2	-----	500 ppm	400ppm	
2- Methylhexane	591-76-4	-----	500 ppm	400ppm	
2,3-Dimethylpentane	565-59-3	-----	500 ppm	400ppm	
3-Ethylpentane	617-78-7	-----	500 ppm	400ppm	
MATERIALS	CAS#	EINECS#	CEILING	STEL (OSHA/ACGIH)	HAP
n-Heptane	142-82-5	205-563-8	None known	500 ppm	NO
3-Methylhexane	589-34-4	-----	None known	500 ppm	NO
Methylcyclohexane	108-87-2	-----	None known	500 ppm	NO
2- Methylhexane	591-76-4	-----	None known	500 ppm	NO
2,3-Dimethylpentane	565-59-3	-----	None known	500 ppm	NO
3-Ethylpentane	617-78-7	-----	None known	500 ppm	NO

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts >0.1%. EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene



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### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION Cont'd

#### 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

<b>APPEARANCE:</b>	Liquid, Water-White
<b>ODOR:</b>	Mild
<b>ODOR THRESHOLD:</b>	Not Applicable
<b>pH (Neutrality):</b>	Not Applicable
<b>MELTING POINT/FREEZING POINT:</b>	Not Available
<b>BOILING RANGE (IBP, 50%, Dry Point)</b>	93 95 97 C/201 204 208 F
<b>FLASH POINT (TEST METHOD):</b>	-8C/ +18F (TCC)
<b>EVAPORATION RATE (n-BUTYL ACETATE=1):</b>	4.2
<b>FLAMMABILITY CLASSIFICATION:</b>	Class I B
<b>LOWER FLAMMABLE LIMIT IN AIR (% by vol.):</b>	1.3
<b>UPPER FLAMMABLE LIMIT IN AIR (% by vol.):</b>	6.6
<b>VAPOR PRESSURE (mm of Hg) @ 20 C:</b>	44.4
<b>VAPOR DENSITY (AIR=1):</b>	3.5
<b>GRAVITY @ 68/68 F / 20/20 C:</b>	
<b>SPECIFIC GRAVITY (WATER=1):</b>	0.696
<b>POUNDS/GALLON:</b>	5.798
<b>WATER SOLUBILITY:</b>	Negligible
<b>PARTITION COEFFICIENT (n-Octane/Water):</b>	Not Available
<b>AUTO IGNITION TEMPERATURE:</b>	282 C / 540 F
<b>DECOMPOSITION TEMPERATURE:</b>	Not Available
<b>VOC'S (&gt;0.44 LBS/Sq. In):</b>	100.0 vol% /696.0 g/L / 58 lbs/Gal
<b>TOTAL VOC'S (TVOC)*:</b>	100.0 vol% /696.0 g/L /5.8 lbs/Gal
<b>NONEXEMPT VOC'S (CVOC)*:</b>	100.0 vol% /696.0 g/L /5.8 lbs/Gal
<b>HAZARDOUS AIR POLLUTANTS (HAPS):</b>	0.0 wt. % / 0.0 g/L      0.000 lbs/Gal
<b>Nonexempt Voc Partial Pressure (mm of Hg) @ 20 C:</b>	56.0
<b>VISCOSITY (cSt @ 25C / 77F):</b>	0.58
<b>VISCOSITY (cSt @ 40C /104F):</b>	0.49
<b>*Using California Air Resources Board (CARB) Rule 310.</b>	



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## 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

### ACUTE HAZARDS

**EYE & SKIN CONTACT:** Primary irritation to skin, defatting, dermatitis. 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.

**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

Persons with severe skin, liver or kidney problems should avoid use.

#### CHRONIC HAZARDS

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

Leukemia been reported in humans from Benzene.

This product contains less than 100 ppm if Benzene.

Not considered hazardous in such low concentrations.

Absorption thru skin may be harmful.

**IRRITANCY OF PRODUCT:** This product is irritating to contaminated tissue.

**SENSITIZATION TO THE PRODUCT:** No component of this product is know to be a sensitizer.

**MUTAGENICITY:** This product is not reported to produce mutagenic effects in humans.

**EMBRYOTOXICITY:** This product is not reported to produce embryotoxic effects in humans.

**TERATOGENICITY:** This product is not reported to produce teratogenic effects in humans.

**REPRODUCTIVE TOXICITY:** This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as; within eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

### MAMMALIAN TOXICITY INFORMATION

MATERIAL	CAS#	EINECS#	LOWEST KNOWN LETHAL DOSE DATA
n-Heptane	142-82-5	205-563-8	Lowest known LC50 (VAPORS) 1600 ppm (Mice)
n-Heptane	142-82-5	205-563-8	Lowest known LD50 (ORAL) > 15000 mg/kg
n-Heptane	142-82-5	205-563-8	Lowest known LD50 (SKIN) >3000 mg/kg



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### SECTION 12 – ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination.

**EFFECT OF MATERIAL ON PLANTS AND ANIMALS:** This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 for further data on the effects of this product's components on test animals.

**EFFECT OF MATERIAL ON AQUATIC LIFE:** No aquatic environmental information is available on this product. The substance is toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals.

**MOBILITY IN SOIL:** This material is a mobile liquid

**DEGRADABILITY:** This product is nonbiodegradable

**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. Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE OR CAUSE INJURY OR DEATH.**  
POTENTIAL RCRA CHARACTERISTICS: IGNITABILITY

### SECTION 14 – TRANSPORT INFORMATION

DOT SHIPPING NAME: UN1206, Heptanes, 3, PG-II, Marine Pollutant

DRUM LABEL: (FLAMMABLE LIQUID)

IATA/ICAO: UN1206, Heptanes, 3, PG-II, Marine Pollutant

IMO/IMDG: UN1206, Heptanes, 3, PG-II, (-8 C cc)

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

NOTE: Marine Pollutant designation is applicable only if shipped over water.

### SECTION 15 – REGULATORY INFORMATION

EPA REGULATION:

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

All components of this product are on the TSCA list

This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

**STATE REGULATIONS:** This product meets requirements of Southern California AQMD Rule 443.1 & similar regulations.

**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

**U.S. STATE REGULATED COMPONENTS: (HAZARDOUS SUBSTANCE LISTS):**

COMPONENT	IL	MN	NJ	PA	RI
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### SECTION 15 –REGULATORY INFORMATION CONT'D

n-Heptane                      Yes      Yes      Yes      Yes      Yes

Note: Absence of a state from this list does not mean the material is not regulated.

#### INTERNATIONAL REGULATIONS:

The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL, NDSL) , China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL) , South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B2: Flammable Liquid

D2B: Irritating to skin/eyes.

### SECTION 16 – OTHER INFORMATION

#### HAZARD RATINGS:

HEALTH (NFPA): 1      HEALTH (HMIS) 1,      FLAMMABILITY: 3,      PHYSICAL HAZARD: 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.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.