

15222PA

Varn International, Inc., a Flint Group Company

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Material Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SUPER RUBBER REJUVENATOR
Product Code: 650-B015222
MSDS Code: MSD-00940064
Revision Number: 1
Revision Date: 2011-03-02 21:29:51

II. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS# | Chemical Name | % |
|------------|------------------------------------------|-----------|
| 627-93-0 | Hexanedioic Acid, Dimethyl Ester | 10 - 30 |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 5 - 10 |
| 95-63-6 | 1,2,4-Trimethylbenzene | 3 - 7 |
| 108-67-8 | 1,3,5-Trimethylbenzene | 1 - 5 |
| 102-71-6 | Triethanolamine | 0.5 - 1.5 |

Please see Section VIII for product and component exposure guidelines.
Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

III. HAZARDS IDENTIFICATION

HMIS Rating **Health: 1** **Flammability: 2** **Reactivity: 0**

This product falls under the following WHMIS class:
B3

Routes of Entry: Inhalation, Ingestion, Skin contact, Eye contact
Target Organs: Central Nervous System, Lungs, Eyes, Skin, Blood, Respiratory Tract
Medical Conditions Lung disease, Eye disease, Skin disease including eczema and sensitization,
Aggravated: Respiratory disease including asthma and bronchitis

Immediate (Acute) Health Effects by Route of Exposure

Inhalation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Harmful if swallowed. May cause systemic poisoning.

SUPER RUBBER REJUVENATOR

Long-Term (Chronic) Health Effects

Reproductive and Developmental: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure.

Skin Contact: Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Ingredients of this product appear on the following OSHA identified carcinogen lists at >= 0.1% by weight (yes/no):

| | | | |
|----------------|---------------|---------------------------|-----------------|
| OSHA No | NTP No | IARC 1 & 2A No | NIOSH No |
| | | IARC 2B No | |

IV. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye as advised by your physician.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Remove contaminated clothing and continue flushing with water.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis.

V. FIRE FIGHTING MEASURES

Flammability Summary: Combustible NFPA II (NFPA description only; not to be used for shipping purposes)

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Container may explode in heat of fire. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide
Carbon monoxide
Toxic fumes
Toxic gases

Flash Point: 38 C (100 F) - 60 C (140F)

Firepoint: Firepoint not determined.

Upper Flammable/Explosive Limit, % in air: 8.5

Lower Flammable/Explosive Limit, % in air: 0.8

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

VII. HANDLING AND STORAGE

Handling Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. Wash thoroughly after handling. Do not get in eyes, on skin or clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material

Storage Conditions: Store in a cool dry place. Isolate from incompatible materials. Keep container closed when not in use. Keep away from heat, sparks, and flame.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

Eye Protection: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection: Where splashing is possible, full chemically resistant protective clothing including boots are recommended.

Gloves: Wear impervious material. Butyl rubber or Nitrile

Exposure Guidelines:

| CAS# | Chemical Name | OSHA Exposure Limits | ACGIH TLV - TWA | ACGIH STEL | IDLH |
|------------|------------------------------------------|----------------------|-----------------|------------|-------------|
| 627-93-0 | Hexanedioic Acid, Dimethyl Ester | | No TLV | No STEL | Not on list |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | | No TLV | No STEL | Not on list |
| 95-63-6 | 1,2,4-Trimethylbenzene | | No TLV | No STEL | Not on list |
| 108-67-8 | 1,3,5-Trimethylbenzene | | No TLV | No STEL | Not on list |
| 102-71-6 | Triethanolamine | | 5 MG/M3 TWA | No STEL | Not on list |

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m3).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m3.

IX. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------------|----------------------|
| Physical State: | Liquid |
| Color: | Clear |
| Odor: | Petroleum or solvent |
| Solubility in Water: | Emulsifies |
| Vapor Pressure (mmHg @ 20 deg. C): | 1.2 |
| Volatile Organic Chemicals % by wt: | 82.98 |
| VOC lb/gal | 7.19 |
| Specific Gravity: | 1.04 |
| Bulk Density (lbs/Gal): | 8.66 |
| Bulk Density (kg/L): | 1.04 |

X. STABILITY AND REACTIVITY

| | |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. |
| Materials to Avoid/Chemical Incompatibility: | Strong oxidizing agents. Acids Aldehydes Copper Copper alloys Strong acids Strong alkalies |
| Hazardous Decomposition Products: | Carbon dioxide Carbon monoxide Toxic fumes Toxic gases |

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):

| CAS# | Chemical Name | LD50/LC50 |
|------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 627-93-0 | Hexanedioic Acid, Dimethyl Ester | Oral LD50 Rat 1920 mg/kg |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | Inhalation LC50 Rat >5.2 mg/L 4 h; Inhalation LC50 Rat 3400 ppm 4 h; Oral LD50 Rat 8400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | ORAL, RAT: LD50 = 5 GM/KG; INHALATION, RAT: LC50 = 18 GM/M3/4H |
| 108-67-8 | 1,3,5-Trimethylbenzene | Inhalation LC50 Rat 24 g/m3 4 h; Oral LD50 Rat 5000 mg/kg |
| 102-71-6 | Triethanolamine | ORAL, RAT: LD50 = 8 GM/KG; ORAL, MOUSE: LD50 = 5846 MG/KG; SKIN, RABBIT: LD50 = >20 ML/KG |

XII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material may be a hazardous waste.

Disposal Methods: Dispose in accordance with Federal, State, Provincial and Local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor. This material should be recycled if possible.

XIII. REGULATORY INFORMATION

TSCA Status All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

| Chemical Name | CAS # | Regulation | Percentage |
|--------------------------------------------------------|------------|------------|------------|
| Benzene, dimethyl- | 1330-20-7 | CERCLA | 0.63 |
| Benzene, (1-methylethyl)- | 98-82-8 | CERCLA | 0.42 |
| Methanol | 67-56-1 | CERCLA | 0.15 |
| Light aromatic solvent naphtha | 64742-95-6 | NPRI (Cdn) | 9.49 |
| 1,2,4-Trimethylbenzene | 95-63-6 | NPRI (Cdn) | 6.73 |
| Benzene, (1-methylethyl)- | 98-82-8 | PROP 65 | 0.42 |
| Naphthalene | 91-20-3 | PROP 65 | 0.01 |
| 1,2,4-Trimethylbenzene | 95-63-6 | SARA 313 | 6.73 |
| Xylene (mixed isomers) | 1330-20-7 | SARA 313 | 0.63 |
| Cumene | 98-82-8 | SARA 313 | 0.42 |
| Nonylphenol, branched, ethoxylated (<18% Glycol Ether) | 68412-54-4 | SARA 313 | 0.32 |
| Methanol | 67-56-1 | SARA 313 | 0.15 |
| Not on list | | SARA EHS | |

The following items require export notification for TSCA

Chemical Name
Dimethyl adipate

TSCA 12b list section

Section 4, 1 % de minimus concentration (applies only to those companies that signed an Enforceable Consent Agreement for this chemical)

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations.

XIV. TRANSPORTATION INFORMATION

| | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 49CFR/TDG - Non-bulk: | GROUND SHIPMENTS NOT REGULATED IN PACKAGINGS OF 119 GAL (450 L) OR LESS. |
| 49CFR/TDG - Bulk: | UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128 |
| IATA - Limited Quantity: | LIMITED QUANTITY EXCEPTION MAY BE USED IF EACH INNER PACKAGING IS 1.3 GAL (5 L) OR LESS. ADD "LTD QTY" TO DESCRIPTION. |
| IATA - Non-bulk: | UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128 |
| IATA - Bulk: | UN1993, FLAMMABLE LIQUID, N.O.S. (NAPHTHA), 3, PGIII, ERG128 |
| IMDG - Non-bulk: | REGULATED. REFER TO BILL OF LADING. |

XV. ADDITIONAL INFORMATION

References:

Disclaimer: Varn International, Inc. a Flint Group Company has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this MSDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this MSDS shall not constitute a warranty with respect thereto.