

# Varn International, Inc., a Flint Group Company

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For Health and Safety Questions call: (800) 336-VARN(8276)  
After Hours Emergency Health/Safety Questions: (800) 391-0698 Prosar (US/Canada)  
24 Hour Emergency Spill Contact call: (800) 424-9300 Chemtrec (US/Canada)

## Material Safety Data Sheet

### I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SUPER RUBBER REJUVENATOR  
**Product Code:** 650-B015222  
**MSDS Code:** MSD-00940064  
**Revision Number:** 2  
**Revision Date:** 2012-04-03 10:26:14

### 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 Aggravated:** Lung disease, Eye disease, Skin disease including eczema and sensitization, 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.

#### 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. Upon prolonged or repeated exposure, minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

**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

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**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:** 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.

**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

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**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

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<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Petroleum or solvent
<b>Solubility in Water:</b>	Emulsifies
<b>Vapor Pressure (mmHg @ 20 deg. C):</b>	1.2
<b>Volatile Organic Compounds (VOC) % by wt:</b>	82.98
<b>Volatile Organic Compounds (VOC) % by vol:</b>	84.35
<b>VOC lb/gal</b>	7.19
<b>Specific Gravity:</b>	1.04
<b>Bulk Density (lbs/Gal):</b>	8.66
<b>Bulk Density (kg/L):</b>	1.04

## X. STABILITY AND REACTIVITY

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

## XI. TOXICOLOGICAL INFORMATION

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### 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	Inhalation LC50 Rat 18 g/m3 4 h; Oral LD50 Rat 3400 mg/kg; Dermal LD50 Rabbit >3160 mg/kg
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 LD50 Rat 4190 mg/kg; Dermal LD50 Rabbit >2000 mg/kg; Dermal LD50 Rat >16 mL/kg

## XII. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	There is no data available on the preparation itself. Do not allow to enter drains or watercourses.
<b>Marine Pollutants</b>	Not on list
<b>Severe Marine Pollutants</b>	Not on list

## XIII. DISPOSAL CONSIDERATIONS

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<b>Waste Description for Spent Product:</b>	Spent or discarded material may be a hazardous waste.
<b>Disposal Methods:</b>	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.

#### **XIV. 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.

<b>Chemical Name</b>	<b>CAS #</b>	<b>Regulation</b>	<b>Percentage</b>
Benzene, dimethyl-	1330-20-7	CERCLA	0.63
Benzene, (1-methylethyl)-	98-82-8	CERCLA	0.42
Methanol	67-56-1	CERCLA	0.15
Dimethyl adipate	627-93-0	NPRI (Cdn)	16.12
Petroleum 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
Methanol	67-56-1	PROP 65	0.15
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
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.

#### **XV. TRANSPORTATION INFORMATION**

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

#### **XVI. 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.

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