

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 203-003
Product name Rubber Roller Cleaner and Rejuvenator
Effective date 12-Feb-2010
Company information Martin Yale Industries, Inc
251 Wedcor
Wabash, Indiana 46992 United States
Company phone General Assistance 219-563-0641
Emergency telephone US 866-836-8855
Emergency telephone outside US 703-527-3887
Version # 07
Supersedes date 10-Aug-2009

2. Hazards Identification

Emergency overview FLAMMABLE
Aerosol. CONTENTS UNDER PRESSURE.
Will be easily ignited by heat, spark or flames. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Eyes Contact may irritate or burn eyes.

Skin Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

Ingestion Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Target organs Central nervous system. Lungs.

Chronic effects Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

Signs and symptoms Discomfort in the chest. Corneal damage. Narcosis. Coughing. Conjunctivitis. Defatting of the skin. Skin irritation.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Light Aliphatic Solvent Naphtha	64742-89-8	30 - 40
Propylene Glycol Monomethyl Ether	107-98-2	20 - 30
2-Methyl-2,4-Pentanediol	107-41-5	15 - 20
Dipropylene Glycol Methyl Ether	34590-94-8	10 - 15
Isopropyl Alcohol	67-63-0	8 - 10
Carbon Dioxide	124-38-9	3 - 5
Non-hazardous and other components below reportable levels		0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact Wash off with warm water and soap. Get medical attention if irritation develops and persists.

Inhalation If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

Ingestion

Rinse mouth thoroughly. Get medical attention immediately. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. Fire Fighting Measures

Flammable properties

Heat may cause the containers to explode. Runoff to sewer may cause fire or explosion hazard.

Extinguishing media**Suitable extinguishing media**

Water fog. Alcohol foam. Dry chemical. Polymer foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use water.

Protection of firefighters**Protective equipment and precautions for firefighters**

In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

6. Accidental Release Measures

Methods for containment

Stop leak if you can do so without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7. Handling and Storage

Handling

Pressurized container: Do not pierce or burn, even after use. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid prolonged exposure.

Storage

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

8. Exposure Controls / Personal Protection

Exposure limits**ACGIH****Components****CAS #****TWA****STEL****Ceiling**

Components	CAS #	TWA	STEL	Ceiling
Propylene Glycol Monomethyl Ether	107-98-2	100 ppm	150 ppm	Not established
2-Methyl-2,4-Pentanediol	107-41-5	Not established	Not established	25 ppm
Dipropylene Glycol Methyl Ether	34590-94-8	100 ppm	150 ppm	Not established
Isopropyl Alcohol	67-63-0	200 ppm	400 ppm	Not established
Carbon Dioxide	124-38-9	5000 ppm	30000 ppm	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
Dipropylene Glycol Methyl Ether	34590-94-8	100 ppm	Not established	Not established
Isopropyl Alcohol	67-63-0	400 ppm	Not established	Not established
Carbon Dioxide	124-38-9	5000 ppm	Not established	Not established

Personal protective equipment

Eye / face protection	Do not get in eyes. Chemical goggles are recommended.
Skin protection	Wear appropriate chemical resistant clothing. Chemical resistant gloves.
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance	Compressed liquefied gas.
Boiling point	267.8 °F (131.1 °C) estimated
Color	clear colorless
Flammability (HOC)	33.775 kJ/g estimated
Flash back	Yes
Flash point	53 °F (11.7 °C) Concentrate
Form	Aerosol.
Odor	Characteristic.
pH	Not applicable
Physical state	Liquid.
Pressure	80 - 100 psig @ 70F
Solubility	Partially
Specific gravity	0.84

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions. Risk of ignition.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Isocyanates. Strong oxidizing agents.
Hazardous decomposition products	May include oxides of nitrogen.

11. Toxicological Information

Acute effects	Acute LD50: 6060 mg/kg estimated, Rat, Dermal Acute LC50: 198 mg/l/4h estimated, Rat, Inhalation
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Component analysis - LD50**Toxicology Data - Selected LD50s and LC50s**

2-Methyl-2,4-Pentanediol	107-41-5	Inhalation LC50 Rat >310 mg/m ³ 1 h; Oral LD50 Rat 3692 mg/kg; Dermal LD50 Rabbit 8560 µL/kg
Dipropylene Glycol Methyl Ether	34590-94-8	Oral LD50 Rat 5230 mg/kg; Dermal LD50 Rabbit 9500 mg/kg
Isopropyl Alcohol	67-63-0	Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg
Light Aliphatic Solvent Naphtha	64742-89-8	Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg
Propylene Glycol Monomethyl Ether	107-98-2	Inhalation LC50 Rat 54.6 mg/L 4 h; Inhalation LC50 Rat >24 mg/L 1 h; Oral LD50 Ra 5200 mg/kg; Dermal LD50 Rabbit 13000 mg/kg

Sensitization	Not expected to be hazardous by OSHA criteria.
Teratogenicity	Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity	LC50 21647 mg/L estimated, Fish, 96.00 Hours, EC50 15252 mg/L estimated, Daphnia, 48.00 Hours, IC50 5751 mg/L estimated, Algae, 72.00 Hours, Components of this product have been identified as having potential environmental concerns.
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13. Disposal Considerations

Disposal instructions Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name Consumer commodity
Hazard class ORM-D
Subsidiary hazard class None
Additional information:
Packaging exceptions 156, 306
Packaging non bulk 156, 306
Packaging bulk None

IMDG

Basic shipping requirements:

Proper shipping name AEROSOLS
Hazard class 2.1
UN number 1950
Additional information:
Packaging exceptions LTD QTY
Item 5F
Labels required None
Transport Category 2



IATA

Basic shipping requirements:

Proper shipping name Aerosols, flammable
Hazard class 2.1
UN number 1950
Additional information:
Packaging exceptions LTD QTY
Labels required 2.1



15. Regulatory Information

US federal regulations OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119. This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Dipropylene Glycol Methyl Ether	34590-94-8	1.0 % de minimis concentration (applies to R-(OCH ₂ CH ₂) _n -OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)
Isopropyl Alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

U.S. - Pennsylvania - RTK (Right to Know) List

2-Methyl-2,4-Pentanediol	107-41-5	Present
Carbon Dioxide	124-38-9	Present
Dipropylene Glycol Methyl Ether	34590-94-8	Present
Isopropyl Alcohol	67-63-0	Environmental hazard
Light Aliphatic Solvent Naphtha	64742-89-8	Present
Propylene Glycol Monomethyl Ether	107-98-2	Present

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1*
Flammability: 4
Physical hazard: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.

MSDS sections updated

This document has undergone significant changes and should be reviewed in its entirety.

Prepared by

Regulatory Compliance