MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 203-002
Product name Martin Yale Rubber Roller Cleaner and Rejuvenator In Convenient Spray
Effective date 10-Aug-2009
Company information Martin Yale Industries, Inc.
251 Wedcor
Wabash, IN 46992 United States
Company phone General Assistance 219-563-0641
Emergency telephone US 866-836-8855
Emergency telephone outside US 703-527-3887
Version # 06
Supersedes date 01-Apr-2009

2. Hazards Identification

Emergency overview FLAMMABLE
CONTENTS UNDER PRESSURE. Aerosol. Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Eyes
Contact may irritate or burn eyes. Eye contact may result in corneal injury.

Skin
Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

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. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

Target organs
Central nervous system. Respiratory system.

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. May cause delayed lung damage.

Signs and symptoms

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Aliphatic Solvent Naphtha</td>
<td>64742-89-8</td>
<td>30 - 40</td>
</tr>
<tr>
<td>Propylene Glycol Monomethyl Ether</td>
<td>107-98-2</td>
<td>20 - 30</td>
</tr>
<tr>
<td>2-Methyl-2,4-Pentanediol</td>
<td>107-41-5</td>
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<td>Dipropylene Glycol Methyl Ether</td>
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<td>Isopropyl Alcohol</td>
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</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>3 - 5</td>
</tr>
</tbody>
</table>

Non-hazardous and other components below reportable levels 0.1 - 1

4. First Aid Measures

First aid procedures

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

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

Inhalation
Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion
Have victim rinse mouth thoroughly with water. 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
Not a fire hazard. The product is not flammable.

Extinguishing media
Suitable extinguishing media

Protection of firefighters
Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental Release Measures

Methods for containment
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

Methods for cleaning up
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling
Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Storage
Level 3 Aerosol.
Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH 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
Wear chemical goggles.

Skin protection
Wear appropriate chemical resistant gloves.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
9. Physical & Chemical Properties

Appearance
Compressed liquefied gas.

Boiling point
179.6 °F (82.2 °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.

Incompatible materials
Isocyanates.

Hazardous decomposition products
May include oxides of nitrogen.

11. Toxicological Information

Acute effects
Acute LD50: 6059 mg/kg estimated, Rat, Dermal
Acute LC50: 198 mg/l/4h estimated, Rat, Inhalation

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 17675 mg/L estimated, Daphnia, 48.00 Hours,
IC50 5754 mg/L estimated, Algae, 72.00 Hours,
Components of this product have been identified as having potential environmental concerns.

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
15. Regulatory Information

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

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
Dipropylene Glycol Methyl Ether 34590-94-8 1.0 % de minimis concentration (applies to R-(OCH2CH2)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
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

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16. Other Information

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.

MSDS sections updated
Physical & Chemical Properties: Fire Fighting Measures
Regulatory Information: United States

Prepared by
Regulatory Compliance