

# Material Safety Data Sheet



Revision Number: 002.2

Issue date: 02/16/2013

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Restoration Plus - 8003  
**Product type:** Conversion coating

**IDH number:** 595104

**Company address:**  
RBL Products, Inc.  
6040 Russell Street  
Detroit MI 48211

**Region:** United States  
**Contact information:**  
Telephone: 313-873-8806  
For Chemical Emergency: Call CHEMTREC at 800.424.9300

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Component	%
Proprietary	Petroleum oil	>60
Proprietary	Magnesium petroleum sulfonate	1-10

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**CAUTION:** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

**Skin contact:** Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

**Eye contact:** This product may cause irritation to the eyes.

**Ingestion:** Ingestion of this product may cause nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

**Existing conditions aggravated by exposure:** Eye, skin and respiratory disorders.

## 4. FIRST AID MEASURES

**Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

**Skin contact:** Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.

**Eye contact:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If symptoms develop and persist, get medical attention.

**Ingestion:** Get immediate medical attention. Do not induce vomiting.

**Notes to physician:** This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	245 °F (118.32°C)
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<b>Extinguishing media:</b>	Dry chemical, foam, carbon dioxide, water fog.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	This product is combustible at high temperatures.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Containment Procedures:</b>	Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.
<b>Clean-up Procedures:</b>	Ventilate the contaminated area. Eliminate sources of ignition. Do not allow product to enter sewer or waterways. Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of collected material according to regulation.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Remove all sources of ignition. Do not take internally. For industrial use only. Provide adequate ventilation.
<b>Storage:</b>	Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines:</b>	
<b>General Product Information:</b>	Keep formation of airborne mists to a minimum. If oil mists are generated, observe the OSHA exposure limit of 5mg/m <sup>3</sup> .
<b>Component Exposure Limits:</b>	ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.
<b>Engineering controls:</b>	Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.
<b>PERSONAL PROTECTIVE EQUIPMENT:</b>	As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Wear chemical goggles; face shield (if splashing is possible).
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.
<b>Work Practices:</b>	Eye wash fountain and emergency showers are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid  
**Color:** Light amber oil  
**Odor:** Petroleum  
**Odor threshold:** Not available  
**pH:** Not applicable  
**Vapor pressure:** Not determined  
**Boiling point/range:** > 212 °F (> 100°C)  
**Melting point/ range:** Not available  
**Specific gravity:** 0.85 - 0.95  
**Vapor density:** Not available  
**Flashpoint:** 245 °F (118.32°C)  
**Flammable/Explosive limits - lower:** Not applicable  
**Flammable/Explosive limits - upper:** Not applicable  
**Autoignition temperature:** Not applicable  
**Evaporation rate:** Not applicable  
**Solubility in water:** Negligible  
**VOC content:** 6.35lbs/gal EPA Ref 24

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.  
**Hazardous reactions:** Will not occur.  
**Hazardous decomposition products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.  
**Incompatible materials:** This product may react with strong oxidizing agents.  
**Conditions to avoid:** Avoid excessive heat and ignition sources.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Petroleum oil	No	No	No

Hazardous components	Health Effects/Target Organs
Petroleum oil	Irritant

### Component Analysis - LD50/LC50

#### Petroleum oil (Proprietary)

Inhalation LC 50 Rat: 2018 mg/L/4H; Oral LD 50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

### Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Petroleum oil (Proprietary)

#### Test & Species

96 Hr LC50 Pimephales promelas >5000 mg/L  
 48 Hr EC50 Daphnia magna >1000 mg/L

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**Hazardous waste number:** Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

### 14. TRANSPORT INFORMATION

#### US Dot Information

**Shipping Name:** Please refer to the container label for transportation information.

### 15. REGULATORY INFORMATION

This product is considered hazardous under 29 CFR 1910-1200 (Hazard Communication)

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS#	CA	FL	MA	MN	NJ	PA
Petroleum oil	Proprietary	No	No	Yes	No	No	No

Component	CAS#	TSCA	DSI	EINECS
Petroleum oil	Proprietary	Yes	Yes	Yes
Magnesium petroleum sulfonate	Proprietary	Yes	Yes	Yes

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12(b) Export Notification:** None above reporting de minimus

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus

**CERCLA/SARA Section 311/312:** Immediate Health

**CERCLA/SARA 313:** None above reporting de minimus

**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

#### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:** D.2.B

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

**Prepared by:** Ron Lipson, Manager, Regulatory Affairs

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, RBL Products, Inc. does not assume responsibility for any results obtained by persons over whose methods RBL Products, Inc. has no control. It is the user's responsibility to determine the suitability of RBL's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of RBL Products, Inc. products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of RBL Products, Inc. products. RBL Products, Inc. further disclaims any liability for consequential or incidental damages of any kind, including lost profits.