



# SAFETY DATA SHEET

Revision Date 02/20/2018

REVISION NUMBER: 4

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** RI-780

### Other means of identification

**Product code** 104540

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Corrosion inhibitor.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

See Distributor information.

#### **Importer**

Rochester Midland Canada Corporation  
143 Mills Road  
Ajax, ON L1S 2H2  
Canada  
905-619-6738

#### **Distributor**

Rochester Midland Corporation  
155 Paragon Drive  
Rochester, New York 14624 USA  
(585) 336-2200

#### **Emergency telephone number**

#### **EMERGENCY TELEPHONE**

INFOTRAC: 1-800-535-5053  
OUTSIDE U.S.: +1-352-323-3500  
CANUTEC: 613-996-6666

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is considered hazardous by the WHMIS 2015 Hazardous Products Regulation.

Specific target organ toxicity (repeated exposure)	Category 1
Flammable liquids	Category 3

### Label elements

#### **Emergency Overview**

**DANGER**

#### **Hazard statements**

Causes damage to organs through prolonged or repeated exposure  
Flammable liquid and vapor



**Ingestion** IF SWALLOWED: Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Water fog, carbon dioxide, foam, dry chemical.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

FLAMMABLE.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. Remove all sources of ignition. Evacuate personnel to safe areas. Ventilate affected area.

**Environmental precautions**

**Environmental precautions** Keep out of drains, sewers, streams, or other bodies of water. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dike to collect large liquid spills. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Flammable. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Do not store near heat, sparks or flame. Vapors are heavier than air and may tend to collect in low or poorly ventilated areas resulting in possible fire and/or inhalation hazard. Observe proper grounding procedures to prevent fire hazard from static accumulation and discharge.

**Incompatible materials** Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### **Exposure Guidelines**

#### **Appropriate engineering controls**

#### **ENGINEERING CONTROLS**

Showers  
Eyewash stations  
Ventilation systems. Required when spraying large amounts or applying in confined area.  
Use non-sparking equipment. No smoking or open lights.

#### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses are recommended to minimize eye contact.

**Skin and body protection** Chemical resistant gloves are recommended to minimize skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

**RESPIRATORY PROTECTION** Use NIOSH approved organic vapor respirator as needed if spray mist or vapors exceed PEL or TLV.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Hydrocarbon
<b>Appearance</b>	Clear Amber	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	7	+/- 1	
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	155 °C / 311 °F		
<b>Flash point</b>	48 °C / 119 °F		
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	8.5%		
<b>Lower flammability limit:</b>	2.6%		
<b>Vapor pressure</b>	No information available		
<b>Vapor density</b>	No information available		
<b>Specific gravity</b>	0.78		
<b>Water solubility</b>	No information available		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	> 229 °C / 444 °F		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		

**Oxidizing properties** No information available

**Other Information**

**Softening point** No information available  
**VOC (EPA METH.24) (G/L):** 718  
**Density** 6.5 lbs/gal (0.78 kg/l)  
**Bulk density** No information available

**10. STABILITY AND REACTIVITY**

**REACTIVITY**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**CONDITIONS TO AVOID**

Avoid all sources of ignition; heat, sparks and open flames. Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong acids. Strong bases.

**Hazardous Decomposition Products**

Carbon dioxide (CO<sub>2</sub>). Carbon Monoxide. Fumes.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information** No data available.

**Inhalation** May cause irritation of respiratory tract.

**Eye contact** May cause slight irritation.

**Skin contact** Prolonged contact may lead to irritation and dermatitis.

**Ingestion** Large amounts may cause irritation, nausea, diarrhea.

PRODUCT COMPOSITION	Oral LD50	Dermal LD50	Inhalation LC50
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.  
**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure. Central nervous system.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 82000 mg/kg  
 ATEmix (dermal) 79079 mg/kg  
 ATEmix (inhalation-dust/mist) 37.5 mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

PRODUCT COMPOSITION	Algae/aquatic plants	Fish	Crustacea
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**Contaminated packaging** Do not reuse container.

**14. TRANSPORT INFORMATION**

**DEPT. OF TRANSPORTATION**

**Proper shipping name** Not Regulated by DOT

**TDG**

Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL/NDL Complies  
 EINECS/ELINCS Complies  
 ENCS Complies  
 IECSC Complies

<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>ACUTE HEALTH HAZARD</b>	YES
<b>CHRONIC HEALTH HAZARD</b>	YES
<b>FIRE HAZARD</b>	YES
<b>Sudden release of pressure hazard</b>	No
<b>REACTIVE HAZARD</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations****U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION****NFPA**

**Health hazards** 1

**Flammability** 2

**Instability** 0

**Physical and Chemical Properties** -

**HMIS**

**Health hazards** 1

**Flammability** 2

**Physical hazards** 0

**Personal protection** B

**Revision Date**

02/20/2018

**Revision Note**

Minor revisions for Canadian GHS compliance.

**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.

**\*\*\* END OF SDS \*\*\***