

# MATERIAL SAFETY DATA SHEET

Finished Product



**Date-Issued:** 01/10/2003  
**MSDS Ref. No:** 2112-6S  
**Date-Revised:** 06/04/2004  
**Revision No:** 1

Rid Ox

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Rid Ox  
**PRODUCT DESCRIPTION:** Connector Protector Enhancer  
**PRODUCT CODE:** 2112/CAN/EUR-6S

### MANUFACTURER

Techspray, L.P.  
1001 N.W. 1st Street  
P.O. Box 949  
Amarillo, TX 79107  
**Contact:** Chemtrec  
**Product Stewardship:** 1-800-858-4043

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**CANUTEC:** (613) 996-6666  
**Emergency Phone:** 1-800-858-4043

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u>                       | <u>Wt. %</u> | <u>CAS#</u> | <u>EINECS#</u> |
|--|--------------|-------------|----------------|
| Distillates, petroleum, hydrotreated light | 60 - 80      | 64742-47-8  | 265-149-8      |
| 1,1,1,2-Tetrafluoroethane (HFC-134a)       | 15 - 25      | 811-97-2    | 223770         |
| Nitromethane                               | <1           | 75-52-5     |                |

### EEC LABEL SYMBOL AND CLASSIFICATION



R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

EEC Harmful - "Xn"

## 3. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Flammable liquid and vapor.

## POTENTIAL HEALTH EFFECTS

**EYES:** Substance causes substantial eye irritation.

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

**INGESTION:** Harmful if swallowed.

**INHALATION:** High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and possibly death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Symptoms of overexposure include: stinging, tearing, redness and pain.

**INGESTION:** For large amounts; abdominal pain, nausea and vomiting.

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## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 44°C (111°F)TAG CC

**FLAMMABLE LIMITS:** 1.4 to 9.3

**GENERAL HAZARD:** Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point.

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

**EXPLOSION HAZARDS:** Vapors may form explosive mixture with air.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**LARGE SPILL:** -Implement cleanup procedures.

-If in public area, keep public away and advise authorities.

-Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.

**GENERAL PROCEDURES:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth, gravel, etc. as necessary and place in closed containers for disposal.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Use only in a well ventilated area.

**STORAGE:** Keep away from heat and flame.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

|  | <u>EXPOSURE LIMITS</u> |                         |                  |                         |                      |                         |
|--|------------------------|-------------------------|------------------|-------------------------|----------------------|-------------------------|
|  | <u>OSHA PEL</u>        |                         | <u>ACGIH TLV</u> |                         | <u>Supplier OEL</u>  |                         |
|  | <u>ppm</u>             | <u>mg/m<sup>3</sup></u> | <u>ppm</u>       | <u>mg/m<sup>3</sup></u> | <u>ppm</u>           | <u>mg/m<sup>3</sup></u> |
| Distillates, petroleum, hydrotreated light | <b>TWA</b>             | NL <sup>[1]</sup>       | NL               | NL                      | NL                   | NL                      |
|  | <b>STEL</b>            | NL                      | NL               | NL                      | NL                   | NL                      |
| 1,1,1,2-Tetrafluoroethane (HFC-134a)       | <b>TWA</b>             | NE                      | NE               |                         | 1,000 <sup>[2]</sup> |                         |

#### OSHA TABLE COMMENTS:

1. NL

2. \* (AEL)=Acceptable Exposure Limit as established by the manufacture

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection.

Viton, Solvex, Butyl, Buna, Neoprene.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**COLOR:** Pink/red.

**pH:** Not Applicable

**PERCENT VOLATILE:** 96 at 20°C (68°F)

**BOILING POINT:** 149°C (300°F)

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** 0.79 (water=1)

**VISCOSITY:** Not Applicable

**(VOC):** 786 g/L (non-exempt VOC)

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.

**STABILITY:** Stable.

**INCOMPATIBLE MATERIALS:** Concentrated nitric and sulfuric acid mixtures, chloroform, alkalis, chlorine compounds, acids, potassium t-butoxide.

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## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Not Available

**SKIN EFFECTS:** Not Available

**CARCINOGENICITY:**

**IARC:** NOT listed

**NTP:** NOT listed

**OSHA:** NOT listed

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

## 13. DISPOSAL CONSIDERATIONS

**GENERAL COMMENTS:** Dispose of in a manner consistent with federal, state, and local regulations.

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## 14. TRANSPORT INFORMATION

### **DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** CONSUMER COMMODITY ORM-D

**PRIMARY HAZARD CLASS/DIVISION:** No classification

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

### **AIR (ICAO/IATA)**

**PROPER SHIPPING NAME:** CONSUMER COMMODITY ID8000

**PRIMARY HAZARD CLASS/DIVISION:** 9

**UN/NA NUMBER:** ID8000

**PACKING GROUP:** NA

**IATA NOTE:** Domestic shipments only. When shipping International contact TechSpray shipping department.

### **VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** AEROSOLS IN LIMITED QUANTITIES OF CLASS 2

**PRIMARY HAZARD CLASS/DIVISION:** 2.1

**UN/NA NUMBER:** UN1950

**PACKING GROUP:** NA

**IMDG NOTE:** Page 2102

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## 15. REGULATORY INFORMATION

### **UNITED STATES**

#### **SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

##### **311/312 HAZARD CATEGORIES:**

**FIRE:** YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES  
**CHRONIC:** YES

#### **CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** None of the ingredients are CERCLA/Superfund hazardous chemicals.

**CERCLA RQ:** 1000 Lbs.

#### **TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All components of this product are either listed or exempt from listing in the TSCA inventory.

**OSHA HAZARD COMM. RULE:** Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### **CANADA**

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Canadian DSL.

**EUROPEAN COMMUNITY**

**EEC LABEL SYMBOL AND CLASSIFICATION**



R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

EEC Harmful - "Xn"

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**16. OTHER INFORMATION**

**APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist

**PREPARED BY:** Steve Cook

**REVISION SUMMARY** Revision #: 1

This MSDS replaces the January 10, 2003 MSDS. Any changes in information are as follows:

In Section 9

Specific Gravity (Unit)

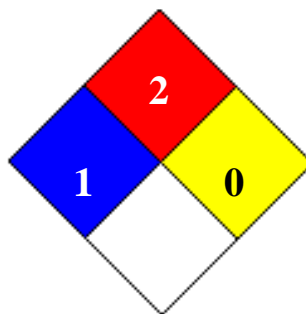
In Section 15

EEC Risk Phrase Codes

**HMIS RATING**

|                             |  |          |
|-----------------------------|--|----------|
| <b>HEALTH:</b>              |  | <b>1</b> |
| <b>FLAMMABILITY:</b>        |  | <b>2</b> |
| <b>PHYSICAL HAZARD:</b>     |  | <b>0</b> |
| <b>PERSONAL PROTECTION:</b> |  |          |

**NFPA CODES**



**DATA SOURCES:** Code of Federal Regulations (CFR)  
The Sigma-Aldrich Library of Regulatory and Safety Data  
OSHA Hazard Communication Standard (29CFR1910.1200)  
Various Federal, State and Local Regulations

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