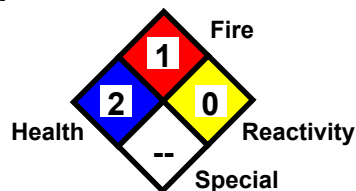


# MATERIAL SAFETY DATA SHEET



### NFPA 704 DESIGNATION HAZARD RATING

4 = Extreme      3 = High      2 = Moderate  
 1 = Slight      0 = Insignificant

**Issue Date:** 12/08

**Supersedes:** 1/05

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identity: **Rust X-2020™**  
 Product Use: **Rust Neutralizer**  
 Manufactured By: **Sealoflex® Inc.**  
**2520 Oscar Johnson Drive** **CHEMTREC**  
**Charleston, SC 29405** **1-800-424-9300**  
**PHONE: 843 554-6466 FAX: 843 554-6458**

## 2. COMPOSITION & INFORMATION ON INGREDIENTS

Component	% weight	CAS #
Vinyl Acrylic Polymer	40.0 - 50.0	Proprietary
Water	45.0 - 50.0	7732-18-5
Glycol Ethers	3.0 - 4.0	Proprietary
Organic Acid	0.8 - 1.2	Proprietary
Additives	1.0 - 2.0	Proprietary

## 3. HAZARDS IDENTIFICATION

EXPOSURE LIMITS (IF APPLICABLE)	COMPONENT	REGULATION	EXPOSURE	VALUE
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**POTENTIAL HEALTH EFFECTS:**

PRIMARY ROUTES OF ENTRY: **Eye**  
**Skin**  
**Inhalation**

**EYE CONTACT: Eye irritant. If irritation persists, seek medical attention.**

**SKIN CONTACT: This product is a moderate skin irritant. Repeated or prolonged exposure may induce skin irritation.**

**INGESTION: Ingestion will cause moderate to severe irritation or chemical burns to the gastrointestinal tract. The acute oral toxicity of this material is between 500 and 5000 mg/kg.**

**INHALATION: Exposure to high concentrations of vapor or mists may cause moderate to severe irritation of respiratory tract.**

## 4. FIRST AID MEASURES

**EYE CONTACT: Immediately flush eyes with plenty of clean running water for at least 15 minutes. Seek immediate medical attention. Continue flushing eyes until medical attention arrives.**

**SKIN CONTACT: Immediately flush skin with plenty of clean running water while removing contaminated clothing. Continue for at least 15 minutes. Seek medical attention.**

**INHALATION: Immediately move to fresh air. Seek immediate medical attention if ill effects occur.**

**INGESTION: DO NOT induce vomiting. Seek immediate medical attention. Give one or two glasses of water to drink and refer to medical personnel or take direction from a physician or poison control center. Never give anything by mouth to an unconscious person.**

**5. FIRE FIGHTING MEASURES**

GENERAL: **This material is not flammable. Increased temperature may increase pressure in closed container resulting in rupture, spreading fire and increasing risk of injury.**

FLASHPOINT AND METHOD: **>200°F (PMCC)**  
 FLAMMABLE LIMITS: Lower: **No Data** Upper: **No Data**  
 AUTOIGNITION TEMPERATURE: **No Data**  
 HAZARDOUS COMBUSTION PRODUCTS: **Hydrogen chloride, chlorine, oxides of carbon & nitrogen, trace carbonyl halide.**  
 EXTINGUISHING MEDIA: **Foam, CO<sub>2</sub>, dry powder, water spray.**  
 FIRE FIGHTING INSTRUCTIONS: **Wear self-contained breathing apparatus with full facepiece and protective clothing.**  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: **None known.**

**6. ACCIDENTAL RELEASE MEASURES**

SMALL SPILL: **Eliminate all ignition sources (flares, flames, pilot lights, and electrical sparks). Wearing recommended protective clothing, dike spill using soil, sand or compatible commercial absorbent. Pick up bulk of product using pumps or vacuum truck or absorb product in sand or commercial absorbent. Place in chemical waste containers for recovery or disposal.**

LARGE SPILL: **Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from the spill area until clean up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum-transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent soil and other material to containers for disposal. Ensure that all local, State and Federal regulations are complied with for release reporting, recovery and disposal of material and containers.**

**7. HANDLING AND STORAGE**

STORAGE TEMPERATURE: **4 - 32°C (40 - 90°F)** STORAGE PRESSURE: **Ambient**  
 STORAGE: **Keep container tightly closed. Store in a cool well ventilated area away from heat, sources of ignition, direct sunlight and alkaline materials. Attacks mild steel.**  
 HANDLING: **Open in a well ventilated area. Avoid breathing vapors. Prevent skin and eye contact. Empty containers should be thoroughly rinsed with water and disposed of according to local regulations.**

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CONTROL MEASURES: **No ACGIH TLV or OSHA PEL assigned to this product. Minimize exposure in accordance with good hygiene practice.**

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATOR: **If needed, use NIOSH approved respirator for organic vapors mists or fumes.**  
 EYES: **Chemical safety glasses or splash goggles; full face shield if splashing is possible.**  
 GLOVES: **Rubber or Neoprene.**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	<b>Milky White Liquid</b>	Bulk Density	<b>No Data</b>
Odor	<b>Mild Acrylic</b>	Vapor Pressure	<b>No Data</b>
Odor Threshold	<b>Not Applicable</b>	Vapor Density	<b>Heavier than Air</b>
Molecular Formula	<b>No Data</b>	Evaporation Rate (n-Butyl Acetate=1)	<b>&gt;1</b>
Molecular Weight	<b>No Data</b>	VOC content	<b>3.6%, 102.0 grams/liter</b>
Boiling Point	<b>~100°C (~212°F)</b>	% Volatiles	<b>45.0 - 55.0</b>
Freezing Point	<b>~0°C (~32°F)</b>	Solubility in Water	<b>Miscible</b>
Specific Gravity	<b>1.17 - 1.22</b>	Viscosity (cps)	<b>&lt;50</b>
Density (lbs/gal)	<b>9.8 - 10.2</b>	pH	<b>1.0 - 2.0</b>

**10. STABILITY & REACTIVITY**

GENERAL: This product is stable under normal conditions  
 CONDITIONS TO AVOID: Avoid contamination with alkaline materials.  
 INCOMPATIBLE MATERIAL: Alkaline materials, strong oxidizers.  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, chlorine, oxides of carbon & nitrogen, trace carbonyl halide.

**11. TOXICOLOGICAL INFORMATION**

Based upon toxicological information for similar materials, a very low order of oral and dermal toxicity is expected.

**12. ECOLOGICAL INFORMATION**

There is no data available for this material.

**13. DISPOSAL CONSIDERATIONS**

RCRA 40 CFR 261 CLASSIFICATION: **Not Classified**  
 U.S. EPA WASTE NUMBER/DESCRIPTION: **None**

DISPOSAL METHOD: **Incinerate in an approved facility. Do not incinerate closed containers. Dilute with clean, low viscosity fuel. Untreated material should not be released to the environment.**

CONTAINER DISPOSAL: **Empty container retains potentially hazardous residue. Observe all hazard precautions. Remove all product residues from container and puncture or otherwise destroy empty container before disposal.**

**14. TRANSPORTATION INFORMATION**

DOT INFORMATION – 49 CFR 172.101

DESCRIPTION: **Not regulated as a hazardous material.**  
 CONTAINER MODE: **One-gallon plastic cans and five-gallon plastic pails**  
 NOS COMPONENT: **N.A.**

**15. REGULATORY INFORMATION**

WORKPLACE CLASSIFICATION:  
**This material is considered non-hazardous under OSHA Communication Standard 29CFR1910.1200.**  
**Canadian Workplace Hazardous Materials Information System (WHIMS): Class E, corrosive material (CPR62) >1%.**

SARA TITLE III: SECTION 311/312 (40CFR370)  
**This material is not a hazardous chemical under 29CFR1910.1200 and is therefore not covered by Title III of SARA.**

SARA TITLE III: SECTION 313 (40CFR372)  
**This material does not contain a chemical listed in Section 313 at or above the de minimis concentrations.**

CERCLA (40CFR302.4)  
**Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.**

U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA)  
**All components of this material are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.**

TSCA 12(b)	COMPONENT	CAS NUMBER
	1,1 dichloroethylene	75-35-4

CALIFORNIA (PROPOSITION 65)  
**This product contains trace levels of a component or components known to the state of California to cause cancer:**

COMPONENT	CAS NUMBER
chloroethylene	75-01-4

**16. OTHER INFORMATION**

HMIS HAZARD RATING	HEALTH 2	FIRE 1	REACTIVITY 0	PROTECTIVE EQUIPMENT B
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## LEGEND

<b>ACGIH</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>DOT</b>	<b>Department of Transportation</b>
<b>HMIS</b>	<b>Hazardous Material Identification System</b>
<b>NFPA</b>	<b>National Fire Protection Association</b>
<b>OSHA</b>	<b>Occupational Safety and Health Administration</b>
<b>PEL</b>	<b>Permissible Exposure Levels</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>VOC</b>	<b>Volatile Organic Compounds</b>

*This Material Safety Data Sheet is provided as an information resource only. It should not be taken as a warranty or representation for which Sealoflex® Inc. assumes legal responsibility. While Sealoflex® Inc. believes the information contained herein is accurate and compiled from sources believed to be reliable; it is the responsibility of the user to investigate and verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with applicable federal, state and local regulations.*