

SAFETY DATA SHEET



Date Issued : 04/23/2001

MSDS No : 931000

Date-Revised : 12/09/2020

Revision No : 9

AM RUST PREVENTIVE 1000

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AM RUST PREVENTIVE 1000**PRODUCT DESCRIPTION:** AM RUST PREVENTIVE 1000**PRODUCT CODE:** 931000**PRODUCT FORMULATION NAME:** MIXTURE**CHEMICAL FAMILY:** PETROLEUM HYDROCARBON**GENERIC NAME:** RUST PREVENTIVE SOLUTION**ACTIVE INGREDIENT(S):** HYDROTREATED C9-C16 PETROLEUM DISTILLATE; 2-Butoxyethanol; Calcium Petroleum Sulfonate; NON-STAINING, CALCIUM RP ADDITIVE**MANUFACTURER**

Americhem Sales Company LLC

340 North Street

Mason, MI 48854

Emergency Contact: CHEMTREC or CANUTEC**Product Stewardship:** 517-676-9363**Transportation:** 517-676-9363**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.): (800) 424-9300****CANUTEC (613) 996-6666****COMMENTS:** To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Aspiration Hazard, Category 1

Skin Irritation, Category 2

Eye Irritation, Category 2

Carcinogenicity, Category 2

Target Organ Toxicity (Single exposure), Category 3

GHS LABELExclamation
mark

Flame

Health
hazard**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H316: Causes mild skin irritation.

H320: Causes eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H402: Harmful to aquatic life.

Precautionary statement(s)

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Prevention:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P240: Ground and bond container and receiving equipment.
- P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242: Use non-sparking tools.
- P243: Take action to prevent static discharges.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P264: Wash ... thoroughly after handling.
- 2381NF3D: P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271: Use only outdoors or in a well-ventilated area.

Response:

- P331: Do NOT induce vomiting.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P370+P378: In case of fire: Use ... to extinguish.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER/doctor/...if you feel unwell.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear light to dark amber liquid, with mild hydrocarbon odor.

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause moderate burning, tearing, redness and swelling.

SKIN: Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

SKIN ABSORPTION: Refer to skin effects for any adverse symptoms that may occur from absorption.

INGESTION: Gastrointestinal tract irritation and/or discomfort is possible.

INHALATION: No significant effects beyond minor respiratory discomfort is expected.

MEDICAL CONDITIONS AGGRAVATED: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

ROUTES OF ENTRY: Inhalation, Ingestion

COMMENTS: Hazards Not Otherwise Classified (HNOC): None as defined under 29 CFR 1910.1200.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
HYDROTREATED C9-C16 PETROLEUM DISTILLATE	> 85	8008-20-6
2-Butoxyethanol	< 5	111-76-2
Calcium Petroleum Sulfonate	~ 3	61789-86-4

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NON-STAINING, CALCIUM RP ADDITIVE

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MIXTURE

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

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

INGESTION: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Get immediate medical help.

INHALATION: Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Flammable Liquid, can release vapors that form flammable mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and noxious fumes.

EXPLOSION HAZARDS: Mists or sprays could ignite at temperatures below the indicated flash point. Keep ignition sources, open flames, etc., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous gases and vapors produced in fire are oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish possible sources of ignition and ventilate spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other convenient means. Do not flush into sewers or natural waterways. Non-essential personnel should not enter area due to slipping hazards.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have a low vapor pressure and are not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating these products, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing and shoes.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: AMBIENT

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
2-Butoxyethanol	OSHA PEL	TWA	50 ppm ^[1]	240 ^[1]
	ACGIH TLV	TWA	20 ppm ^[1]	97 ^[1]
OSHA TABLE COMMENTS:				
1. S = Skin				

ENGINEERING CONTROLS: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

OTHER USE PRECAUTIONS: 3M Half Facepiece Respirators 6000 Series Reusable - Medium Facepiece

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Auto Ignition (°C)	Specific Gravity
2-Butoxyethanol	62	171.111	237.778	0.901

PHYSICAL STATE: Liquid

ODOR: Mild Hydrocarbon Odor

APPEARANCE: Clear

COLOR: Yellow to light Amber

pH: Not Applicable

PERCENT VOLATILE: NIL

FLASHPOINT AND METHOD: > (145°F)

AUTOIGNITION TEMPERATURE: Not Applicable

VAPOR PRESSURE: < 1 mmHg at 20°C

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: > (300°F)

SOLUBILITY IN WATER: NIL

EVAPORATION RATE: Not Applicable

DENSITY: > 7.0788

SPECIFIC GRAVITY: 0.83 (water=1) at (60°F)

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VISCOSITY #1: < 100 SUS at (100°F)

10. STABILITY AND REACTIVITY

REACTIVITY: No

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
2-Butoxyethanol	470 mg/kg (RAT)	220 mg/kg(RABBIT)	450 mg/l (rat) 4 hours

ORAL LD₅₀: ~ 470 mg/kg (rat)

Notes: FOR 2-BUTOXYETHANOL COMPONET

RESPIRATORY OR SKIN SENSITISATION: Based on best current information, there is no known human sensitization associated with these products.

GERM CELL MUTAGENICITY: Experimental evidence suggests that these products do not cause mutagenesis.

CARCINOGENICITY

Chemical Name	IARC Status
2-Butoxyethanol	3

IARC: Not listed by IARC

NTP: Not listed by NTP.

OSHA: Not listed by OSHA

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with this product.

GENERAL COMMENTS:

All components listed have been shown to contain less than 3% DMSO extractables as measured by IP346.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

GENERAL COMMENTS: Petroleum-based (mineral) lube oils will normally float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric Oxygen transport into th water. Over time, if not removed, Oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment.

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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible liquid, N.O.S.

TECHNICAL NAME: Kerosene

PRIMARY HAZARD CLASS/DIVISION: 3

SECONDARY HAZARD CLASS/DIVISION: Combustible Liquid

UN/NA NUMBER: 1993

PACKING GROUP: III

LABEL: Class 3, Combustible Liquid

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: None known at or greater than 1.0% (0.1% for carcinogens)

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
HYDROTREATED C9-C16 PETROLEUM DISTILLATE	8008-20-6	12b,
2-Butoxyethanol	111-76-2	
Calcium Petroleum Sulfonate	61789-86-4	

TSCA REGULATORY: All intentional ingredients are listed on the TSCA Inventory.

16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS

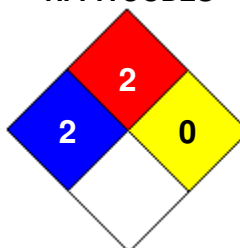
Date-Revised: 12/09/2020

REVISION SUMMARY: This MSDS replaces the 12/09/2020 MSDS. Revised: **Section 14:** DOT (DEPARTMENT OF TRANSPORTATION) - UN/NA NUMBER.

HMIS RATING

HEALTH	-	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X

NFPA CODES



MANUFACTURER DISCLAIMER: The information in this SDS was obtained from sources which we believe are reliable. However,

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