

SAFETY DATA SHEET



Date Issued : 12/18/2014
SDS No : Metcor 57
Date Revised : 06/09/2020
Revision No : 6

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Metcor 57
CHEMICAL FAMILY: Corrosion Inhibitor

MANUFACTURER

Metalloid Corporation
 1160 White St
 Sturgis, MI 49091

Emergency Contact: Robert Kowalski

Emergency Phone: 800-686-3201

Alternate Contact: 269-503-7300

E-Mail: b.kowalski@metalloidcorp.com

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical): (800) 222-1222

INFOTRAC (US Transportation): (800) 535-5053

INFOTRAC (Outside US): +1-352-323-3500

INFOTRAC (China): 400-120-0761

INFOTRAC (Germany): 0800-181-2924

Account Number: 108233

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Aspiration Hazard, Category 1

Specific Target organ Systemic toxicity-single exposure, central nervous system, Category 3

Physical:

Flammable Liquids, Category 3

GHS LABEL



Health
hazard



Flame



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H304: May be fatal if swallowed and enters airways.

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

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P331: Do NOT induce vomiting.

P370+P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container in accordance with local/state/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|-------------------|---------|------------|
| C9-C11 Isoalkanes | 65 - 75 | 68551-16-6 |
| 2- Butoxyethanol | < 5 | 111-76-2 |

COMMENTS: Components are non hazardous as defined by OSHA Hazard Communication Rule 29 CFR 1910.1200 and not listed due to trade secrets

4. FIRST AID MEASURES

EYES: Flush immediately with cool, clean water for at least 15 minutes. If irritation persists, contact a physician

SKIN: Wash with mild soap and warm water

INGESTION: Keep respiratory tract clear. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, consult a specialist. Take victim immediately to hospital.

INHALATION: Move person to fresh air; if effects occur, consult a physician.

NOTES TO PHYSICIAN: Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Do not use water stream or water jet

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam

HAZARDOUS COMBUSTION PRODUCTS: Can include carbon oxides

FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

FIRE EXPLOSION: Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge. Keep away from open flames, hot surfaces and sources of ignition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with an inert material and place in an appropriate waste disposal container.

LARGE SPILL: Treat like an oil spill. Stop spill at the source. Dike area of spill to prevent spreading. Pump liquid into salvage container. Recover product if possible. Remaining liquid can be taken up with absorbent material and placed into appropriate containers.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

GENERAL PROCEDURES: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep away from flame, sparks and hot liquid. Keep container closed when not in use. Avoid contact

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with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Do not transfer to unlabeled container.

HANDLING: Containers should be grounded when transferring.

STORAGE: No Smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | |
|---|--------------|-----------------|-----|-------------------|----------|
| | | EXPOSURE LIMITS | | | |
| Chemical Name | Type | | ppm | mg/m ³ | Comments |
| 2- Butoxyethanol | OSHA PEL | TWA | 50 | 240 | |
| | ACGIH TLV | TWA | 20 | 97 | |
| | Supplier OEL | TWA | NL | NL | |
| | | STEL | NL | NL | |

ENGINEERING CONTROLS: Consider the potential hazards of this material (see section 2), applicable exposure limits, job activities and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses or splash goggles when eye contact may occur.

SKIN: Nitrile gloves recommended. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment

PROTECTIVE CLOTHING: Impervious clothing. Wear as appropriate. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Workers should wear antistatic footwear.

WORK HYGIENIC PRACTICES: Use good hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight Hydrocarbon

APPEARANCE: Liquid

COLOR: Clear light amber

pH: Not Available

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: (130°F) ASTM D3243

AUTOIGNITION TEMPERATURE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: > (360°F) at 760 mm HG

FREEZING POINT: Not Available

MELTING POINT: Not Available

POUR POINT: Not Available

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Negligible

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EVAPORATION RATE: Not Available**SPECIFIC GRAVITY:** 0.77 H₂O=1 at (70°F)**VISCOSITY:** Not Available**MOLECULAR WEIGHT:** Not Available**(VOC):** 582 grams of VOC per Liter ASTM E1868-10**Notes:** SCAQMD Rule 1144 determination**OXIDIZING PROPERTIES:** Not Available

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur**STABILITY:** Stable under normal conditions**CONDITIONS TO AVOID:** Sources of ignition**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions will not occur under normal transport or storage conditions.**HAZARDOUS DECOMPOSITION PRODUCTS:** Products of combustion can include carbon oxides.**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Strong acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 5000 mg/kg**Notes:** Rabbit**ORAL LD₅₀:** > 5000 mg/kg**Notes:** Rat**INHALATION LC₅₀:** > 4.9 mg/l**Notes:** Rat**NOTES:** Information given is based on data obtained from similar substances**Skin corrosion/irritation:** May cause skin irritation and/or dermatitis**Serious eye damage/irritation:** No eye irritation

Vapors may cause irritation to the eyes, respiratory system and the skin.

Aspiration Hazard: May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (ACUTE): Toxic to aquatic life**Notes:** Toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

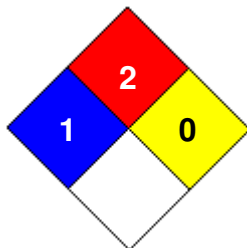
DISPOSAL METHOD: This material may meet the criteria of a hazardous waste as defined by US EPA under RCRA 40 CFR 261 or other state and local regulations. DO not dispose of waste into sewer. DO not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.**EMPTY CONTAINER:** Empty container retains product residue and can be hazardous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. Recondition or dispose of empty container in accordance with government regulations.**RCRA/EPA WASTE INFORMATION:** Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: HYDROCARBONS, LIQUID, N.O.S., (ISOALKANES(C9-C11)), 3, III (48 C),**PRIMARY HAZARD CLASS/DIVISION:** 3

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UN/NA NUMBER: 3295**PACKING GROUP:** III**OTHER SHIPPING INFORMATION:** DOT Surface Shipping Description: Excepted from Hazmat (49CFR 173.150(F)) in non-bulk packagings.**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HEALTH HAZARDS:** Aspiration Hazard, Target Organ Toxicity (Single exposure)**311/312 PHYSICAL HAZARDS:** Flammable Aerosols, Flammable Gases, Flammable Liquids, Flammable Solids**TITLE III NOTES:** This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** This product does not contain any RQs or TPQs under this regulation.**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30**16. OTHER INFORMATION****APPROVED BY:** Robert Kowalski **TITLE:** Vice President of Research and Development**PREPARED BY:** Alissa Simon **Date Revised:** 06/09/2020**INFORMATION CONTACT:** 1-800-686-3201**REVISION SUMMARY:** This SDS replaces the 02/17/2020 SDS. Revised: **Section 8: PERSONAL PROTECTIVE EQUIPMENT - RESPIRATORY.****NFPA CODES****GENERAL STATEMENTS:** This information is for use of the purchaser only. This document should not be given to any outside organization without expressed consent from Metalloid Corporation.**MANUFACTURER DISCLAIMER:** This product's safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.