

Cust.

MATERIAL SAFETY DATA SHEET



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Information: 585-336-2200

Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

PRODUCT NAME: CS-48, Corrosion and Scale Inhibitor

REVISION DATE: 09/24/2002 REVISION NUMBER: 3
DATE PRINTED: 09/24/2002 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

MSDS FORM NUMBER: 6053
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2
Fire: 0/0
Reactivity: 1/1
Special/Protective ALK/C
Equipment:

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

| PRODUCT COMPOSITION CAS REGISTRATION NO. | APPROX. WEIGHT PERCENT | ACGIH TLV | ACGIH UNIT | OSHA PEL | OSHA UNIT | SARA 313 Reportable |
|---|------------------------------|-----------|--------------------|----------|--------------------|------------------------|
| SODIUM HYDROXIDE 1310-73-2 | < 1 | 2 | mg/M3 (ceiling) | 2 | mg/M3 (ceiling) | No |

3. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F): 212 F (C) NA
VAPOR PRESSURE: 15.7 mm Hg @ 22.2 C
VAPOR DENSITY (AIR=1): 0.625
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.22 @ 70 F
VOC Content (%): NE
VOV Content (%): NE
EVAPORATION RATE: (BuAc = 1) : 1.26
PH: 12.0
APPEARANCE AND ODOR: Clear brown liquid. Mild odor.

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None (TCC) (C): NA
METHOD: TCC
EXTINGUISHING MEDIA: As for surrounding fire. Product will not burn.

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FIRE FIGHTING PROCEDURES: None.

5. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: If evaporated to dryness, as in a fire, may release: Oxides of Carbon. Oxides of Nitrogen. Oxides of Phosphorus.

INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Neutralizes active ingredients.

CONDITIONS/HAZARDS TO AVOID: None.

6. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:
Irritation, nausea, vomiting and possible dizziness. May be harmful if swallowed.

SKIN CONTACT:
Causes skin burns which may not be immediately painful or visible.

INHALATION:
Inhalation of spray mist may be irritating.

EYE CONTACT:
Causes severe eye burns which may not be immediately painful or visible.

CHRONIC EFFECTS:
None known.

EFFECTS/CARCINOGENICITY:
None listed under OSHA, IARC, or NTP.

ROUTES OF ENTRY:
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

EMERGENCY AND FIRST AID MEASURES:

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Contact Physician. **SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists. **INHALATION:** Move person to fresh air. Aid breathing if necessary. **EYES:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

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NOTES TO PHYSICIAN: None.

7. HANDLING AND STORAGE

SPILL PROCEDURES:

SMALL SPILLS: Flush with water.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.

OTHER PRECAUTIONS:

Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None normally required.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Goggles. Safety Glasses.

OTHER PERSONAL PROTECTION

Appropriate protective clothing as needed to prevent skin contact.

EQUIPMENT:

VENTILATION:

Not normally required. General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

Health and safety information presented on this form is generally applicable at recommended dilutions, varying only in degree. This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***

