

MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012 DATE PRINTED:

04/19/2012

REVISION NUMBER:

PREPARED BY:

EH&S DEPARTMENT

CHEMICAL PRODUCT

PRODUCT NAME:

CS-724, Corrosion and Scale Inhibitor

PRODUCT CODE:

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health:

2/2

0/0

Reactivity:

1/1

Special/Protective Equipment:

ALK/C

NAME OF THE

MANUFACTURER:

Rochester Midland Corporation

155 Paragon Drive

Emergency Phone:

Rochester, New York 14624

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

USA

HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:

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

SKIN CONTACT:

Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION: **EYE CONTACT:**

Harmful if inhaled.

May Cause Eye Burns.

CHRONIC EFFECTS: **EFFECTS/CARCINOGENICITY:** None known. 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.

COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELS
SODIUM HYDROXIDE 1310-73-2	< 2.5	Not applicable	2 mg/m³

FIRST AID MEASURES

INGESTION:

DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Contact Physician. Wash with soap and water. Remove contaminated clothing and launder before reuse. Get

INHALATION:

medical attention if irritation persists. Move person to fresh air. Aid breathing if necessary.

EYES:

SKIN:

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.

NOTES TO PHYSICIAN:

None.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

(F): None (C): Not determined

METHOD:

TCC

FLAMMABLE LIMITS IN AIR

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LOWER (%): UPPER (%):

No data No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE: SUITABLE EXTINGUISHING MEDIA: FIRE FIGHTING PROCEDURES:

Sensitivity to static discharge is not expected. As for surrounding fire. Product will not burn.

None.

ACCIDENTAL RELEASE MEASURES

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.

PERSONAL PRECAUTIONS: **ENVIRONMENTAL PRECAUTIONS:**

Not applicable Not applicable Not applicable

METHODS FOR CLEANING UP:

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN

IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.

OTHER PRECAUTIONS:

Keep out of reach of children. Not applicable.

SPECIFIC USE(S):

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



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:

limits if mist in air.

VENTILATION:

Not normally required. General mechanical and/or local exhaust as needed to meet exposure

(C) Not determined

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear brown liquid. Mild odor.

BOILING POINT (F):

212 F

15.7 mm Hg @ 22.2 C

VAPOR PRESSURE: VAPOR DENSITY (AIR=1):

0.625

SOLUBILITY IN WATER:

Not determined

SPECIFIC GRAVITY: VOC Content (%):

1.20 - 1.24

EVAPORATION RATE:

NE

PH:

(BuAc = 1): 1.2611.0 - 13.5

10. STABILITY AND REACTIVITY

STABILITY DATA:

STABLE

POLYMERIZATION:

Will Not Occur.

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10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION:

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

Oxides of Phosphorus.

INCOMPATIBILITY (MATERIALS TO

Do not mix with acidic materials. Neutralizes active ingredients.

AVOID):

CONDITIONS/HAZARDS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Not Established

EFFECTS OF CHRONIC EXPOSURE: Not established. OTHER TOXIC EFFECTS:

Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL

No data at this time

INFORMATION:

No data at this time.

CHEMICAL FATE INFORMATION: MOBILITY:

Not applicable.

PERSISTENCE/DEGRADABILITY:

Not applicable

BIOACCUMULATIVE POTENTIAL: OTHER ADVERSE EFFECTS:

Not applicable Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	< 2.5	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

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PRODUCT COMPOSITION CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.			
PRODUCT COMPOSITION CAS#	%	PARTK:	
SODIUM HYDROXIDE 1310-73-2	< 2.5	Listed	

16. OTHER INFORMATION

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 ***



AQUATIC TOXICITY CS-724

CS-724 is a cooling water corrosion and scale inhibitor

<u>Organism</u>	Results (mg/L as product)	NOEC (mg/L as product) No Effect Concentration
Fathead minnow (Pimephales promelas)	96 hr. $LC_{50} = 3489$	750
Daphnia magna	48 hr. $EC_{50} = 3177$	375

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