

# MATERIAL SAFETY DATA SHEET

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**REVISION NUMBER:** 

PREPARED BY:

**EH&S DEPARTMENT** 

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### 1. CHEMICAL PRODUCT

PRODUCT NAME:

# CS-604, Corrosion Inhibitor

PRODUCT CODE:

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

Health:	2/2	Fire:	tive Equipment:	0/0
Reactivity:	1/1	Special/Protec		ALK/B
NAME OF THE MANUFACTURER:		Rochester Midland Corporation 155 Paragon Drive Rochester, New York 14624 USA	Emergency Phone: INFOTRAC: 1-8 OUTSIDE US: 1	00-535-5053

## 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

INGESTION: SKIN CONTACT:	Severe burns to mucous membranes of mouth, throat and digestive tract. Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.
INHALATION:	Inhalation of spray mist may be irritating. Possible damage to mucous membranes of nose and throat.
EYE CONTACT: CHRONIC EFFECTS: EFFECTS/CARCINOGENICITY: ROUTES OF ENTRY:	Causes severe eye burns. May cause permanent eye damage. May cause blindness. Dermatitis. Possible respiratory damage from inhalation of dust or mist. None listed under OSHA, IARC, or NTP. Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	%	ACGIH TLV	OSHA PELs
CAS#			
POTASSIUM HYDROXIDE	<1	Not applicable	Not applicable
1310-58-3			

# 4. FIRST AID MEASURES

INGESTION:	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconcious person. Drink several glasses of water or milk. Get immediate medical attention.
SKIN:	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop. Continue rinsing until "slippery" feeling is gone.
INHALATION:	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to- mouth. If breathing is difficult give oxygen. Get medical attention.
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.
NOTES TO PHYSICIAN:	None.

5.	FIRE AND EXPLOSION HAZARD DATA	
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FLASH POINT:	(F): None (C): None
METHOD:	TCC
FLAMMABLE LIMITS IN AIR	
LOWER (%): UPPER (%):	No data No data
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	As appropriate for surrounding fire-product is mostly water and will not burn.
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire- fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

#### 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:** Not applicable **ENVIRONMENTAL PRECAUTIONS:** Not applicable

METHODS FOR CLEANING UP: Not applicable

#### 7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN** Avoid contact with eyes, skin and clothing. DANGER: Concentrated, alkaline liquid. Store in a IN HANDLING AND STORAGE: well ventilated area. Mix only with water. Store in a cool, dry area. Store only in original container and keep closed. Do not breathe mist or vapors. Do not reuse container. Read and follow label instructions. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Not applicable.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **PROTECTIVE EQUIPMENT:**

**OTHER PRECAUTIONS:** 

SPECIFIC USE(S):



EXPOSURE CONTROLS: RESPIRATORY PROTECTION:	Use in a well ventilated area. None normally required. Use NIOSH approved alkaline respirator with dust/mist filter as needed to meet exposure limits if product is used in a manner which creates dust or mist above recommended exposure limits.
PROTECTIVE GLOVES:	Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION	Rubber boots. Liquid may penetrate leather shoes and cause delayed burns. Eyewash
EQUIPMENT:	fountains and safety showers must be easily accessible. Appropriate protective clothing as needed to prevent skin contact.
VENTILATION:	General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Corrosion resistant equipment recommended.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR:	Clear yellow liquid. Mild odor.
BOILING POINT (F):	212° F
VAPOR PRESSURE:	15.7 mm Hg @ 22.2° C
VAPOR DENSITY (AIR=1):	0.625
SOLUBILITY IN WATER:	Not determined
SPECIFIC GRAVITY:	1.23 g/cc
VOC Content (%):	Not determined
EVAPORATION RATE:	(BuAc=1) : 1.26
PH:	12.35

(C) 100° C

# **10. STABILITY AND REACTIVITY**

STABILITY DATA: POLYMERIZATION: HAZARDOUS DECOMPOSITION:	STABLE Will Not Occur. If evaporated to dryness, as in a fire, material may burn, releasing: Oxides of Phosphorus. Oxides of Carbon. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Do not mix with acidic materials. May react violently with strong acids. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.
CONDITIONS/HAZARDS TO AVOID:	None.

# 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
<b>EFFECTS OF CHRONIC EXPOSURE:</b>	Not established.
OTHER TOXIC EFFECTS:	Not established.

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL	No data at this time
INFORMATION:	
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	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:
POTASSIUM HYDROXIDE 1310-58-3	<1	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
POTASSIUM HYDROXIDE 1310-58-3	<1	1000 lb 454 kg	Not Listed	Not Listed

# CS-604, Corrosion Inhibitor

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
POTASSIUM HYDROXIDE 1310-58-3	<1	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	MARTK:
POTASSIUM HYDROXIDE 1310-58-3	<1	Listed

 The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

 PRODUCT COMPOSITION
 %
 NJRTK:

 CAS#

	CA3#		
ſ	POTASSIUM HYDROXIDE	<1	Listed
	1310-58-3		

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
POTASSIUM HYDROXIDE 1310-58-3	<1	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 \*\*\*