



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/13/2012

REVISION NUMBER: 4

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1. CHEMICAL PRODUCT

PRODUCT NAME: **HCP-650 PLUS, Chlorinated Caustic Powder Cleaner**

PRODUCT CODE: 102130

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

Health: 3/3

Fire: 0/0

Reactivity: 1/1

Special/Protective Equipment: ALK/C

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

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

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Severe burns to mucous membranes of mouth, throat and digestive tract. May be fatal if swallowed.

SKIN CONTACT: Corrosive; Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION: Inhalation of dust or mist may cause nose and respiratory irritation. Can cause damage to mucous membranes of nose, throat, respiratory tract and lung tissue depending on severity of exposure.

EYE CONTACT: Causes severe eye burns. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS: Irritant dermatitis; possible respiratory damage from inhalation of dust or mist.

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
SODIUM HYDROXIDE 1310-73-2	65 max.	Not applicable	2 mg/m ³
Sodium metasilicate 6834-92-0	10 max.	Not applicable	Not applicable
SODIUM CARBONATE 497-19-8	20 - 22	Not applicable	Not applicable
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. If vomiting occurs, give additional water.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention.

HCP-650 PLUS, Chlorinated Caustic Powder Cleaner

4. FIRST AID MEASURES

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: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None (C): Not determined

METHOD: None

FLAMMABLE LIMITS IN AIR

LOWER (%): No data

UPPER (%): No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: Product will not burn.

FIRE FIGHTING PROCEDURES: Corrosive material. Avoid exposure to dusts, mists, and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Reclaim as much as possible. Flush residue with water.

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

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: DANGER: Concentrated, caustic material. Avoid contact with eyes, skin and clothing. Do not breathe dusts or mists. Store indoors. Store only in original container and keep closed. Store in a cool, dry area.

OTHER PRECAUTIONS: Store in a well ventilated area. Mix only with cool water. Always add only small amounts of product to water at any one time, while continuously stirring. NEVER add water to product. Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: None normally required. If product is used in manner which creates vapor, dust or mist above recommended exposure limits, a NIOSH/MSHA approved chlorine respirator with dust/mist filter may be needed in absence of proper environmental controls.

PROTECTIVE GLOVES: Neoprene. Nitrile gloves. Rubber gloves.

EYE PROTECTION: Goggles. Face shield.

HCP-650 PLUS, Chlorinated Caustic Powder Cleaner

OTHER PERSONAL PROTECTION EQUIPMENT: Rubber boots. PVC boots. Plastic hard hat. Appropriate protective clothing as needed to prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. Eyewash fountains and safety showers must be easily accessible.

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

APPEARANCE AND ODOR: White. Solid. Odorless.

BOILING POINT (F): NA (C) Not determined

VAPOR PRESSURE: None

VAPOR DENSITY (AIR=1): NA

SOLUBILITY IN WATER: SOLUBLE

SPECIFIC GRAVITY: NA

VOC Content (%): None

EVAPORATION RATE: NA

PH: 14 (5% aqueous solution)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: Oxides of Sodium. Silicon dioxide.

INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with: Ammonia. Organic matter. Reducing agents. Oxidizing materials. May cause violent reactions. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source. Mix only with water. Contact with acids and acid-containing cleaners, such as rust removers, vinegar, and toilet bowl cleaners may generate hazardous gases, such as chlorine, along with heat. Interaction with ammonia-containing materials may liberate ammonia gas or chloramine derivatives of ammonia.

CONDITIONS/HAZARDS TO AVOID: Addition of water to powder will cause violent boiling and spattering.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established

EFFECTS OF CHRONIC EXPOSURE: Not established.

OTHER TOXIC EFFECTS: Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time

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

HCP-650 PLUS, Chlorinated Caustic Powder Cleaner

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM HYDROXIDE 1310-73-2	65 max.	Listed	Listed	Listed	Not Listed
Sodium metasilicate 6834-92-0	10 max.	Listed	Listed	Listed	Not Listed
SODIUM CARBONATE 497-19-8	20 - 22	Listed	Listed	Listed	Not Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	65 max.	1000 lb 454 kg	Not Listed	Not Listed
Sodium metasilicate 6834-92-0	10 max.	Not Listed	Not Listed	Not Listed
SODIUM CARBONATE 497-19-8	20 - 22	Not Listed	Not Listed	Not Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	65 max.	Listed
Sodium metasilicate 6834-92-0	10 max.	Listed
SODIUM CARBONATE 497-19-8	20 - 22	Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	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:
SODIUM HYDROXIDE 1310-73-2	65 max.	Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	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 CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	65 max.	Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	Listed

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:
SODIUM HYDROXIDE 1310-73-2	65 max.	Listed
Sodium dichloro-s-triazinetrione dihydrate 51580-86-0	2 max.	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 *****