

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET

HC-130

SECTION 1: IDENTIFICATION

MANUFACTURER/ DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

Emergency Telephone Number:

479-806-0266 24 hours everyday

918-427-0777

RECOMMENDED USES: scale/corrosion inhibitor for cooling water

SECTION 2: HAZARD IDENTIFICATION

<u>Ingredient (s)</u>	<u>CAS#</u>	<u>% (by weight)</u>
-----------------------	-------------	----------------------

Sodium Hydroxide	1310-73-2	0.1-1
------------------	-----------	-------

HAZARD STATEMENTS: CORROSIVE

PICTOGRAM REPRESENTATION: N/A

HAZARD CLASSIFICATION: CORROSIVE

SIGNAL WORD (IF APPLICABLE): N/A

POTENTIAL HEALTH EFFECTS: EYES: Causes irritation to eyes. Do not get in the eyes. Wear goggles and face shield.

POTENTIAL HEALTH EFFECTS: SKIN: Causes irritation to skins. Do not get on skin or clothing.

POTENTIAL HEALTH EFFECTS: INGESTION: Do not take internally.

POTENTIAL HEALTH EFFECTS: INHALATION: Avoid prolonged breathing or vapor. Use with adequate ventilation.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: NaOH

MOLECULAR WEIGHT: 39.99711 g/mol

GENERAL USE: scale/corrosion inhibitor for cooling water

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush for at least 15 minutes while holding eyelids open. Call a physician at once.

SKIN: Immediately flush with water for at least 15 minutes. For a large splash, flood body under a shower. Call a physician at once.

INGESTION: Do not induce vomiting. Give water. Call a physician.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Greater than 230 Degrees F (PMCC) ASTM D-93

EXTINGUISHING MEDIA: This product would not be expected to burn unless all the water is boiled away. The remaining organics may be ignitable. Use water to cool containers exposed to fire.

FIRE / EXPLOSION HAZARDS: May evolve NOx under fire conditions.

NFPA Hazard Codes: Health: 2 Fire: 0 Reactivity: 2 Other: CORR

SECTION 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions: If released into the environment, see CERCLA in Section 14.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wear and goggles or face shield when handling.

STORAGE: Keep container closed when not in use. Empty containers may contain residual product. Do not reuse container unless properly reconditioned.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Primary Routes of Exposure: Eye, skin

EYE CONTACT: Can cause transient to moderate irritation.

SKIN CONTACT: Can cause moderate irritation.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Wear goggles are face shield.

SKIN: Do not get on skin or clothing.

VENTILATION: Use with adequate ventilation

PROTECTIVE CLOTHING: N/A

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild Sweet

APPEARANCE: Yellow

DENSITY: 9.52 lbs/gal

SOLUBILITY IN WATER: Completely

SPECIFIC GRAVITY: 1.41 @ 60 Degrees F

pH (NEAT) = 12

VISCOSITY: 6.4 cps @ 60 Degrees F

FREEZE POINT: 32 Degrees F

MELTING POINT: Greater than 25 Degrees F

FLASH POINT: Greater than 230 Degrees F (PMCC) ASTM D-93

SECTION 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid contact with strong acids (eg. sulfuric, phosphoric, nitric, hydrochloric, chromic, sulfonic) which can generate heat, splattering or boiling and the release of toxic fumes.

STABILITY: N/A

POLYMERIZATION: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: In the event of combustion CO, CO2, NOx, may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY STUDIES: Acute toxicity studies have been conducted on this product. The results are shown below.

ACUTE ORAL TOXICITY (ALBINO RATS):

SKIN IRRITATION INDEX DRAIZE RATING: 3/2/8.0 moderately irritating

COMMENTS: Well defined redness and swelling were observed immediately after removal of the occlusive dressing (4 hour contact). Only slight redness persisted 24 hours later. The skin within the application sites of all animals appeared normal within 48 hours. Some yellow staining of the skin was observed at this time 94 to 6 animals).

PRIMARY EYE IRRITATION TEST (ALBINO RABBITS):

EYE IRRITATION INDEX DRAIZE RATING: 15.5/110.0 Mildly irritating

COMMENTS: A mild (Grade 1) iritis was observed in three of six rabbits at the one and 24 hour time intervals. Conjunctivitis was noted in all animals within one hour, lessened in degree by 24 hours, and was not apparent by 72 hours. No corneal involvement was observed.

SECTION 12. ECOLOGICAL INFORMATION

If released into the environment, see CERCLA in Section 14.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, (i.e. D001 through D017) nor is it listed under Subpart D.

As a non-hazardous liquid waste, it should be solidified before disposal to a sanitary landfill. Can be incinerated in accordance with local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME/HAZARD CODE-ORM-B, N.O.S. NA 1760
contains Sodium Hydroxide

SECTION 15: REGULATORY INFORMATION

The following regulations apply to this product.

OSHA-S HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our hazard evaluation, the following ingredient in this product is hazardous and the reason is shown below.

Sodium hydroxide- Corrosive, irritant

Sodium hydroxide- TWA 2 mg/m³ (ceiling) AOGIH/TLV

CERCLA/ SUPERFUND, 40 CFR 117, 302:

This product contains sodium hydroxide, a Reportable Quantity (RQ) substance and if 100,000 pounds of product are released, it requires notification to the NATIONAL RESPONSE CENTER, WASHINGTON, D>C (800-424-8802).

SARA/SUPERFUNDED AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III)- SECTIONS 302, 311,312,313.

SECTION 302- EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): This product does not contain ingredients listed in Appendix A and B as an Extremely Hazardous substance.

Sections 311 AND 312- MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):

Our hazard evaluation has found this product to be hazardous. The product should be reported under the following EPA hazard categories.

XX Immediate (acute) health hazard

Delayed (chronic) health hazard

Fire Hazard

Sudden release of pressure hazard

Reactive hazard

Under Section 311, submittal of MSDS=s or a list of product names to the local emergency planning commission, state emergency response commission and local fire department is required after October 17, 1987 if you have:

10,000 pounds or more of a hazardous substance, or

500 pounds or the threshold planning quantity, whichever is less, of an extremely hazardous substance.

After October 17, 1989, MSDS(s), or a list of product names for all hazardous substances between zero (0) and 10,000 pounds, not previously reported, must be submitted.

Section 313- LIST OF TOXIC CHEMICALS (40 CFR 372): This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals.

TOXIC SUBSTANCES CONTROL ACT (TSCA): The chemical ingredients in this product are on the 8 (b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261 SUBPART C & D: If this product becomes a waste, it does not meet the criteria of a hazardous waste.

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 (formerly Sec. 307), 40 CFR 116 (formerly Sec. 311): This product contains the following ingredient(s) covered by the Clean Water Act:

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65:

This product complies with the MSDS and labeling requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

MICHIGAN CRITICAL MATERIALS: This product does not contain ingredients listed on the Michigan Critical Materials Register.

STATE RIGHT TO KNOW LAWS: Regulated in those states using the TLV for sodium hydroxide as a criteria for listing.

SECTION 16: OTHER INFORMATION

Date of Preparation: 05/25/08

Last Revision: 01/23/14