

HarChem

H₂O

Water Services

PO Box 310, Muldrow, OK 74948

SAFETY DATA SHEET

HB-505

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

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Boiler Tank Cleaning

SECTION 2: HAZARD IDENTIFICATION

Ingredient (s)	CAS#	Amount
Diocetyl Sodium Sulfosuccinate	577-11-1	>30%
Monoethanolamine, 2- aminoethanol		<5%
Sodium Hydroxide	1310-73-2	10-35%
Soft Water	7732-18-5	10-41%
DEEA	100-37-8	10-35%

Pictogram Representation:



HAZARD STATEMENTS: Causes eye burns. Causes skin irritation.

HAZARD CLASSIFICATION: Eye Irritation: Category I

Skin Irritation: Category I

Ingestion: Category III

Inhalation: Category III

SIGNAL WORD(IF APPLICABLE): Irritant

POTENTIAL HEALTH EFFECTS: EYES: May cause severe irritation and eye damage.

POTENTIAL HEALTH EFFECTS: SKIN: Prolonged or repeated contact may cause discomfort and local redness or even severe irritation.

POTENTIAL HEALTH EFFECTS: INGESTION: Can cause abdominal discomfort, nausea, vomiting and diarrhea and severe burns.

POTENTIAL HEALTH EFFECTS: INHALATION: Mist may cause irritation of the respiratory tract.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR FORMULA: N/A

MOLECULAR WEIGHT: N/A

GENERAL USE: Boiler Tank Cleaning

SECTION 4. FIRST AID MEASURES

EYES: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention, without delay, preferably from an ophthalmologist.

SKIN: Immediately flush with flowing water for at least 15 minutes. Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before reuse.

INGESTION: If patient is fully conscious, give two glasses of water. DO NOT INDUCE VOMITING. Obtain medical attention.

INHALATION: Remove to uncontaminated area. Give artificial respiration if not breathing.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Closed Cup: 131° F

AUTOIGNITION: Not currently available

EXTINGUISHING MEDIA: Extinguish fires with water spray or apply alcohol-type or all-purpose-type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

FIRE / EXPLOSION HAZARDS: Use self-contained breathing apparatus and protective clothing.

FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools, this may cause frothing and increase fire intensity.

NFPA Hazard Codes:

Health: 3

Fire:1

Reactivity: 1

Other: CORROSIVE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps may be taken if material is released or spilled.

Flush to drain with plenty of water in accordance with locally applicable regulations. Contain spills immediately with inert materials (e.g., sand, earth.) Transfer liquids and solid diking material to suitable containers for recovery or disposal. To avoid gelling and foaming problems, do not use water to flush away spills.

Personal precautions: Wear eye and skin protection. Floor may be slippery, use care to avoid falling. See Section 8.2-Personal Protection.

Environmental Precautions: Environmental Statement: Microbial degradation of OPEs results in some intermediated that have shown weak estrogen mimetic activity in laboratory screening assays. Proper treatment of OPEs is not expected to result in environmental concentrations considered to be harmful to be relatively toxic to fish.

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not get in eyes. Avoid contact with skin and clothing. Do not swallow. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

STORAGE: Store in dry location away from excessive heat. Keep container closed. Wash contaminated clothing before reuse.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY: None expected to be needed. However, where misting may occur, wear a MSHA/NIOSH approved (or equivalent) half mask air purifying respirator.

VENTILATION: General (mechanical) room ventilation is expected to be satisfactory.

EYE PROTECTION: Monogoggles.

PROTECTIVE GLOVES: Polyvinyl chloride coated

OTHER PROTECTIVE EQUIPMENT: Eye bath, safety shower chemical apron.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid

Appearance: Colorless Liquid

pH: 9.5

Solubility in Water (by weight): Completely soluble but some compositions may form gels.

Odor: Organic Mild

Flash Point Closed Cup: 131 °F

Percent Volatiles: 0.016 Wt%

Boiling Point: Above 212°F

Freezing Point: Pour Point -27°C -17°F

Specific Gravity (H₂O=1) 1.02

Vapor Pressure at 20°C: NA

Vapor Density: (air=1):NA

Evaporation Rate (Butyl Acetate=1): <0.01

Melting Point: 19°F

SECTION 10. STABILITY AND REACTIVITY

Stability/ Instability: Stable

Conditions to avoid: Prolonged excessive heat may cause product decomposition.

Incompatible Materials: Normally unreactive, however avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials reactive with hydroxyl compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

In studies with rabbits sustained occluded skin contact of the undiluted surfactant can cause inflammatory changes in lungs. Developmental effects including extra ribs and other skeletal variations were observed in the fetuses of rats treated with maternally toxic levels of a 9 mole ethoxylate of octylphenol, or 4 mole or 9 mole ethoxylate of nonylphenol. The significance of these findings to humans is unclear as several human studies did not show an association of congenital effects in children and maternal exposure to spermicides containing octyl or nonylphenol ethoxylates.

SECTION 12. ECOLOGICAL INFORMATION

BOD (% Oxygen consumption)

Day 5 Day 10 Day 15 Day 20 Day 30

22% 23% 48%

Ecotoxicity:

Toxicity to Aquatic Invertebrates: Daphnia LC50 48 h 18 mg/l

Toxicity to Fish: Fathead Minnow LC50 96 h 4 mg/l

SECTION 13. DISPOSAL CONSIDERATIONS

For disposal of aqueous surfactant solutions: Aerobic biological wastewater treatment systems are effective in treating aqueous solutions of surfactants. Removal efficiency will depend upon treatment plant conditions. As with any wastewater, consultation with local treatment plant staff is recommended before disposal. In typical activated sludge treatment systems, inlet concentrations below 5 mg/l have been treated without foaming problems. For disposal of neat, unused surfactant: Incinerate in a furnace where permitted under Federal, State, and local regulations. Dispose in accordance with all applicable Federal, State, and local regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Non Bulk- Not regulated

Bulk-Environmentally hazardous substances liquid, NOS

Technical Name: Contains alcohol C-13C-15 Poly (1-6) Ethoxylate

ID#UN3082

Hazard Class: 9

Packing Group: PG 111

Other Information: Marine Pollutant (Alcohol C-13 C-15 Poly (1-6) Ethoxylate)

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

US Federal Regulation:

Comprehensive environmental response, compensation, and liability act of 1980 Section 103 (CERCLA)

The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355 and are present at levels which could require reporting and emergency planning. NONE

SUPERFIND AMENDMENTS AND REAUTHORISATION ACT OF 1986 (SARA) Title 111 Section 313

The following components of this product are toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting

SECTION 16: OTHER INFORMATION

Date of Preparation: 6/1/15

Last Revision: 6/1/15