

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : CHEM-POWER MFG DIV/ FOSTER & CO., INC  
15 Wing Drive EMERGENCY PHONE.....: 973-267-4100  
Cedar Knolls PREPARATION/REVISION DATE: 02/14/02  
NJ 07927  
PREPARER/CONTACT: Gary Adams, Chemist  
LOCATION : Whs 1

TRADE NAME/SYNONYMS...: OXENE  
CHEMICAL NAME/SYNONYMS: High Electrolyte Cleaner  
CHEMICAL FAMILY.....: Alkaline cleaning compound  
FORMULA.....: Complex Mixture  
PRODUCT CODE.....: 14-88

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

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\* HEALTH..... 3 \*  
\* FLAMMABILITY.. 0 \*  
\* REACTIVITY.... 1 \*  
\* PROTECTION.... D \*  
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SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
**Sodium Hydroxide, 50%/Caustic Soda	1310-73-2	<30	N/ I	2 mg/m3
Sodium Glucoheptonate	31138-65-5	<20	N/ I	N/ I
Isodecyloxypropyliminodipropionic Acid	64972-19-6	<1	N/ I	N/ I
Water	7732-18-5	>50	None	None

\*\*this ingredient is reportable under EPA SARA Title 111-please check applicable states for additional regulations.

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, or OSHA) :NO

CHEMICAL/COMMON NAME	CAS-NUMBER	%	NTP	IARC	OSHA
N/A	N/A	N/A	N/A	N/A	N/A

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute And Chronic)-

ACUTE: Corrosive to all body tissues. Causes injuries ranging from irritation of skin to third degree burns.

CHRONIC: Primary dryness and irritation to destruction of tissue in prolonged or severe cases.

EYES: Severe irritant;a small amount could cause irreversible damage/blindness  
SKIN: Corrosive to skin and mucous membranes. Could cause permanent scars in severe or untreated cases.  
INGESTION: If swallowed can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus and stomach.  
INHALATION: Airborne concentrations of dust, mists, or spray may cause damage to the upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia and other serious respiratory injuries.

PRIMARY ROUTES OF ENTRY-

Skin contact, eye contact, inhalation of mists are primary routes of entry expected. Ingestion injury is unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

Any non-intact skin would be further aggravated by exposure to solutions of this product. Cuts, burns and abrasions would be typical examples.

EMERGENCY FIRST AID PROCEDURES-

EYES: OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY; THEN GET MEDICAL ATTENTION. Flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. It is extremely important to flush within one minute after the exposure. Get medical attention while or as soon as possible after flushing with water.  
SKIN: Wash contaminated areas with plenty of water for 15 minutes. Remove any contaminated clothing and wash before reuse. Seek medical attention at once.  
INHALATION: Move to fresh air. Maintain respiration artificially if needed. Get medical attention immediately.  
INGESTION: NEVER give anything by mouth to an unconscious person. DO NOT induce vomiting. Give large quantities of water. If available, give several glasses of milk. Seek medical attention immediately.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F)....: "215 F                      SPECIFIC GRAVITY (WATER=1).....: 1.3  
VAPOR PRESSURE (mmHg): 39 mm                    PERCENT VOLATILE BY VOLUME (%): 62  
VAPOR DENSITY (AIR=1): N/I                      EVAPORATION RATE (water =1): "1

SOLUBILITY IN WATER-  
Complete    pH=13.5 to 14

APPEARANCE AND ODOR INFORMATION-  
Brown, syrupy liquid with slightly ammoniacal odor

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): None                      FLAMMABLE LIMITS : Lel=N/A    UEL=N/A

EXTINGUISHING MEDIA-  
Not combustible

SPECIAL FIRE FIGHTING PROCEDURES-  
N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS-  
Will react with Aluminum or Zinc to yield Hydrogen which is a flammable gas.  
Reacts violently with acids liberating considerable heat.

INCOMPATIBILITY (Materials To Avoid)-  
Reacts violently with acids. Reacts with Aluminum, Zinc and other non-ferrous metals to liberate hydrogen which is a flammable gas.

HAZARDOUS DECOMPOSITION PRODUCTS-  
Minor amounts of Carbon Dioxide and Carbon Monoxide. Only very slight hazards presented by these.

WILL HAZARDOUS POLYMERIZATION OCCUR-  
No

CONDITIONS TO AVOID FOR POLYMERIZATION-  
None known.

IS THE PRODUCT STABLE-  
YES

CONDITIONS TO AVOID FOR STABILITY-  
Avoid temperature extremes.

**SECTION 6 - SPILL OR LEAK PROCEDURES**  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-  
Wear protective clothing. Dike and contain spill. Shovel into containers for approved disposal. Flush residue with large amounts of water. Diluted residue (pH below 9) are suitable for sewage treatment in small quantities. Very dilute solutions are readily biodegradable. DO NOT ALLOW ANY OF THIS MATERIAL OR ITS WASTE TO ENTER ANY SURFACE WATER OR UNTREATED WATERCOURSE. Notify appropriate authorities if this occurs or is about to occur.

WASTE DISPOSAL METHODS-  
Clean-up actions should be carefully planned. Shipment, storage and disposal of this material and its wastes are regulated. Appropriate Federal, state and local authorities should be contacted to ensure that proper actions are being taken.

**SECTION 7 - EXPOSURE CONTROL INFORMATION**  
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VENTILATION-  
LOCAL EXHAUST: N/A  
SPECIAL.....: N/A

MECHANICAL (General): Good general  
OTHER.....: N/A

RESPIRATORY PROTECTION-

Not normally needed. Spray applications require special equipment. Contact OSHA and/or us for guidance before any unusual use of this sort.

PROTECTIVE GLOVES-

Long rubber or other waterproof material.

OTHER PROTECTIVE EQUIPMENT-

Face shield or splashproof goggles, impervious apron. Boots if convenient. Safety shower and eyewash station.

OTHER ENGINEERING CONTROLS-

None normally needed.

WORK PRACTICES-

Never touch face or clothes with gloves contaminated with this product.

HYGIENIC PRACTICES-

Keep away from food. Wash hands BEFORE using lavatory facilities.

SECTION 8 - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Never store in aluminum or galvanized (Zinc) containers. Avoid temperatures above 100 and below **40** degrees F.

MAINTENANCE PRECAUTIONS-

Keep the tops of containers clean. Keep closed when not in use.

OTHER PRECAUTIONS-

DANGER KEEP OUT OF REACH OF CHILDREN

ADDITIONAL COMMENTS-

DOT Name: Compound, Cleaning. (Sodium Hydroxide) Hazard Class 8, NA-1760  
Packing Group 11, CORROSIVE label required.  
FOR TRANSPORTATION EMERGENCY CALL INFOTRAC 1-800-535-5053, 24 HRS/ 7 DAYS