

SECTION 1 - MANUFACTURER INFORMATION

MANUF/DIST : CHEM-POWER MFG DIV/ FOSTER & CO.,INC.
15 Wing Drive EMERGENCY PHONE.....: 201-267-4100
Cedar Knolls PREPARATION/REVISION DATE: 12/21/88
NJ 07927
PREPARER/CONTACT: Gary Adams, Chemist
LOCATION : Whs 1

TRADE NAME/SYNONYMS...: MICROCID
CHEMICAL NAME/SYNONYMS: Quaternary type disinfectant/sanitizer
CHEMICAL FAMILY.....: Quaternary Ammonium Chloride /aqueous
FORMULA.....: Mixture
PRODUCT CODE.....: 14-35

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)

* * * * *
* HEALTH..... 2 *
* FLAMMABILITY.. 0 *
* REACTIVITY.... 0 *
* PROTECTION.... B *
* * * * *

SECTION 2 - HAZARDOUS INGREDIENTS

THIS PRODUCT CONTAINS HAZARDOUS INGREDIENTS : YES

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
Alkyl dimethylbenzyl ammonium chloride	68391-01-5	5.0	N/I	N/I
Alkyl demethylethylbenzyl ammonium Chloride	68956-79-6	5.0	N/I	N/I
Water	7732-18-5	80-90	None est	None est

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)-
EYE: Corrosive. Causes severe irritation, tearing and redness. May cause permanent damage. SKIN: Corrosive. Can cause redness, dryness, swelling, or irritation. Chronic Skin: Can cause permanent tissue damage upon repeated skin contact. INHALATION: Mists would be expected to cause irritation of mucous membranes and respiratory tract although no incidence has been recorded. INGESTION: Expected to cause nausea and diarrhea as well as irritation of the esophagus and alimentary canal. Oral LD-50 greater than 500 mg/kg.

PRIMARY ROUTES OF ENTRY-

Skin contact, eye splash, inhalation possible, ingestion unlikely.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE-

None known.

EMERGENCY FIRST AID PROCEDURES-

SKIN: Flush with water for 15 minutes. Remove contaminated clothing and wash before reuse. EYES: Immediately flush with water for 15 minutes while holding eyelids open alternately to insure thorough rinsing. Call physician at once. INHALATION: Remove to fresh air. Maintain respiration if necessary. Consult physician. INGESTION: Never give anything by mouth to an unconscious person. Promptly drink large quantities of milk, egg whites, gelatin or water. Avoid alcohol. DO NOT induce vomiting. Seek medical attention immediately.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F).....: 212 F	SPECIFIC GRAVITY (WATER=1).....: 1.0
VAPOR PRESSURE (mmHg): 15-25	PERCENT VOLATILE BY VOLUME (%): 90
VAPOR DENSITY (AIR=1): >1	EVAPORATION RATE (water =1): 1

SOLUBILITY IN WATER-
complete, pH=5.7-5.8

APPEARANCE AND ODOR INFORMATION-

Clear nearly colorless solution with slight alcoholic odor

SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (Method Used): None

FLAMMABLE LIMITS : Lel=N/A UEL=N/A

EXTINGUISHING MEDIA-

Not normally combustible.

SPECIAL FIRE FIGHTING PROCEDURES-

Use self-contained breathing apparatus for any fire in an enclosed area that involves chemical products.

UNUSUAL FIRE AND EXPLOSION HAZARDS-

None known.

INCOMPATIBILITY (Materials To Avoid)-

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS-

Oxides of Carbon, Nitrogen and other toxic products of incomplete combustion.

WILL HAZARDOUS POLYMERIZATION OCCUR-

No.

CONDITIONS TO AVOID FOR POLYMERIZATION-
None known.

IS THE PRODUCT STABLE-
Yes.

CONDITIONS TO AVOID FOR STABILITY-
Avoid extremes of temperature.

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED-
Dike and contain spill. Soak up with suitable absorbent. Prevent entry into sewers or streams. Place in plastic or corrosion protected containers for disposal as hazardous pesticide waste.

WASTE DISPOSAL METHODS-

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use in accordance with directions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION-

LOCAL EXHAUST: N/A
SPECIAL.....: N/A

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

RESPIRATORY PROTECTION-

Not normally necessary

PROTECTIVE GLOVES-

Rubber, poly, neoprene or other impervious material.

OTHER PROTECTIVE EQUIPMENT-

Splashproof goggles.

OTHER ENGINEERING CONTROLS-

N/A

WORK PRACTICES-

Triple rinse containers before disposal.

HYGIENIC PRACTICES-

Wash hands BEFORE using lavatory facilities. Do not eat or store foods in area where this product is being used.

SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE-

Avoid contact with Aluminum, Zinc, Copper and mild steel. Store at room temp.

05-28-02
CSS-14038

MATERIAL SAFETY DATA SHEET 00019
CHEM-POWER DIV/FOSTER & CO

PAGE 4

MAINTENANCE PRECAUTIONS-
Keep from freezing.

OTHER PRECAUTIONS-
Keep out of reach of children.

ADDITIONAL COMMENTS-
DOT Name: Disinfectants, Corrosive, NOS (Quaternary Ammonium Compounds) UN-1903
Hazard Class 8, Packing group 111, Corrosive label required.