

MATERIAL SAFETY DATA SHEET

CSD 8000

Latest Revision Date: 9/24/02

SECTION 1 MANUFACTURER INFORMATION

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SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER.....8000
TRADE NAME OR CHEMICAL NAME.....CSD 8000
SYNONYMS.....NA
CHEMICAL FAMILY.....Polymer cooling biodispersant
NFPA- HEALTH HAZARD.....2
FIRE HAZARD.....1
REACTIVITY HAZARD.....1
NFPA SCALE.....4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT 0=INSIGNIFICANT
KEY.....NA= Not Applicable NF= Not Determined

SECTION 3 HAZARDOUS IDENTIFICATION

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT.</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC.313</u>	<u>CARCINOGEN?</u>
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The components of this product comprise proprietary information.

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....Corrosive Liquid, N.O.S. (Acetic Acid)
D.O.T. HAZARD CLASS.....Corrosive Material Class 8
D.O.T. LABELS REQUIRED.....Corrosive
UN/NA I.D. NUMBER.....UN 1760
PACKAGING GROUP.....III
NON-BULK SHIPPING NAME.....Corrosive Liquid, N.O.S. (Acetic Acid), 8, UN 1760, PG III.
BULK SHIPPING NAME.....Not Regulated per 49 CFR 173.154 (d) (2)

SECTION 5 PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....212°F (100 °C)/ <32°F (<0°C)
pH.....5-6
VAPOR PRESSURE mmHg @ 20°C.....Not available
VAPOR DENSITY (Air=1).....>1
PERCENT VOLATILE BY WEIGHT (%).....11
DENSITY @25°C (g/cm³).....0.95
SOLUBILITY IN WATER.....Complete
EVAPORATION RATE.....(Water=1) <1
APPEARANCE AND ODOR.....Amber liquid with slight amine like odor.

CSD 8000

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (PENSKY-MARTEN C.C.).....> 212°F (100°C)
AUTOIGNITION TEMPERATURE.....NA
FLAMMABILITY LIMITS IN AIR (% V).....NA
EXTINGUISHING MEDIA.....Not Combustible
SPECIAL FIRE FIGHTING PROCEDURES.....Fire fighters should wear positive pressure self-contained apparatus (SCBA) and full turnout gear.
UNUSUAL FIRE & EXPLOSION HAZARDS.....Cool drums exposed to heat or fire to prevent steam rupture.

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY.....Stable. Keep from freezing.
Conditions To Avoid.....None known
CHEMICAL INCOMPATIBILITY.....Strong acids, strong alkali, and strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS.....Thermal decomposition of product can produce toxic vapors of carbon oxides, nitrogen oxides, and/ or ammonia.
HAZARDOUS POLYMERIZATION.....Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT.....May cause irritation to the skin. Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or occasionally, blistering.
EYE CONTACT.....May cause eye irritation upon contact.
INHALATION.....High concentrations of mists or vapors may cause respiratory system irritation..
INGESTION.....Harmful if swallowed.

SECTION 9 EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.
EYES.....Immediately flush eyes with large amounts of water for 15 minutes and seek medical attention.
INGESTION.....If swallowed, **DO NOT INDUCE VOMITING**. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, **DO NOT GIVE FLUIDS BY MOUTH**. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.
INHALATION.....Move to fresh. Aid in breathing, if necessary, seek medical attention.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES.....Avoid skin contact. Reclaim spilled material, if possible. Flush residues to sanitary sewer.
WASTE DISPOSAL METHOD.....Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR261.....NA
CONTAINER DISPOSAL.....Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse or disposal in accordance with governmental regulations.

SECTION 11 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required in most applications.
VENTILATION.....Local exhaust is generally sufficient to minimize exposure.
PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots----as necessary, to prevent skin contact.
EYE PROTECTION.....Chemical goggles.
OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

CSD 8000

SECTION 12

SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.

PAGE 2