



MATERIAL SAFETY DATA SHEET

L-115

Material Identification and Use

EFFECTIVE DATE..... 10/8/02 (Last revision N/A)
MANUFACTURED FOR Legacy Chiller Systems, Inc.
ADDRESS 484 Main Street – Suite 1 * Diamond Springs, CA. 95619
PHONE (877) 988-5464
EMERGENCY PHONE NUMBER (800) 424-9300 CHEMTREC
DOT SHIPPING NAME NA
HAZARD CLASS Not-Regulated
UN NUMBER NA
PRODUCT USE This product is designed for use in industrial, commercial or institutional water treatment systems. This product is not for use in potable water systems.

Hazardous Ingredients

Table with 4 columns: HAZARDOUS INGREDIENTS, PERCENT (%), TLV (Units), CAS NUMBER. Row 1: Glutaraldehyde, 15, 0.2 ppm(ceiling), 111-30-8

Physical Data

PHYSICAL STATE Liquid
BOILING POINT 100.3°C
MELTING POINT NE
FREEZING POINT -6.5°C
VAPOR PRESSURE @ 20°C 18.1 mm Hg
VAPOR DENSITY (air=1)..... >1
EVAPORATION RATE..... 0.91
SOLUBILITY IN H2O..... Complete
VOLATILITY/VOL(%) NE
pH 3-5
SPECIFIC GRAVITY 1.042
DENSITY (g/ml) NE
ODOR AND APPEARANCE Clear Liquid. Sharp aldehyde odor

Fire and Explosion Hazard Data

FLASHPOINT AND METHOD OF DETERMINATION None



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AUTO-IGNITION TEMPERATURE.....NA
UPPER EXPLOSION LIMIT(% BY VOL).....NA
LOWER EXPLOSION LIMIT(% BY VOL).....NA
MEANS OF EXTINCTIONAfter water evaporates, remaining material will burn. Use alcohol-type or all-purpose-type foam, applied by manufacturer’s recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.
HAZARDOUS COMBUSTION PRODUCTS..... Burning can produce the following: Carbon monoxide and/or carbon dioxide.
SPECIAL FIREFIGHTING PROCEEDURES Self-contained breathing apparatus and protective clothing should be available to firemen. Vapors can be irritating.
UNUSUAL FIRE AND EXPLOSION DATA..... None

Reactivity Data

CHEMICAL STABILITY Stable
HAZARDOUS POLYMERIZATION Will not occur
INCOMPATIBLE MATERIALS Strong alkalis and acids catalyze an aldol-type condensation (exothermic, but not expected to be violent).
HAZARDOUS DECOMPOSITION PRODUCTS Burning can product carbon monoxide and/or carbon dioxide.
CONDITIONS OF REACTIVITY Avoid high temperatures (removal of water, 200°F)

Health Hazard Data

ROUTES OF ENTRY
BY EYE CONTACT Possible
BY SKIN CONTACT..... Possible
BY SKIN ABSORPTION Possible
BY INHALATION Possible
BY INGESTION Possible
TLV (UNITS) 0.2 ppm, ceiling
ACUTE OVER EXPOSURE EFFECTS Causes sever injury to eyes. Contact with skin may cause redness. Vapors may be irritating and cause headache, chest discomfort, and symptoms of bronchitis. If swallowed, may cause nausea, vomiting and general systemic illness. Prolonged or repeated exposure may result in the absorption of harmful amounts of material.
CHRONIC OVER EXPOSURE EFFECTS Repeated skin contact may cause cumulative dermatitis.
CARCINOGENIC ACCORDING TO THE FOLLOWING:
NTP?.....No
IARC MONOGRAPHS?.....No
OSHA REGULATEDNo
OTHER.....

First Aid Measures

SPECIFIC FIRST AID PROCEDURES Flush eyes with plenty of water for at least 15 minutes. Get medical care, preferably an eye specialist, at once. Remove contaminated



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clothing. Wash skin with plenty of water. Launder clothing before reuse. Remove to fresh air. Call a physician if symptoms persist. Give two glasses of water and induce vomiting by sticking finger down throat. Call a physician.

Preventive Measures

LEAK AND SPILL PROCEDURES Small spills may be diluted with large quantities of water and flushed to sewer or waste facility. Do not drain into fresh water streams or lakes. Large spills should be contained and collected for proper disposal.
WASTE DISPOSAL Dispose of contaminated product via an approved chemical waste disposal firm and in accordance with all federal, state and local regulations.
HANDLING PROCEDURES AND EQUIPMENT..... Ventilate adequately, otherwise wear an appropriate breathing apparatus.
STORAGE REQUIREMENTS Store in a cool and dry area.

Control Measures

RESPIRATORY PROTECTION Self-contained breathing apparatus in high concentrations.
VENTILATION
LOCAL EXHAUST Adequate
MECHANICAL EXHAUST Required for close confines.
OTHER.....
PROTECTIVE GLOVES Wear suitable gloves.
EYE PROTECTION Wear eye/face protection.
OTHER PROTECTIVE EQUIPMENT Wear suitable protective clothing.

Regulatory Information

HAZARD RATING:
Health: 3
Fire: 0
HAZARD RATING SCALE:
0=Minimal 3=Serious
1=Slight 4=Severe



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Reactivity: 0 2=Moderate

Special Warning:

SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III

Ingredients covered under the following sections:

CERCLA Hazardous Substance None

SARA Toxic Chemical - SECTION 313: None

OTHER.....

IN ACCORDANCE WITH VARIOUS STATE (U.S.) REGULATIONS THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL INGREDIENTS:

Table with 2 columns: INGREDIENTS, CAS NUMBER. Row: GLUTARALDEHYDE, 111-30-8

Preparation Information

PREPARED BYPTD
PHONE NUMBER OF PREPARER.....(877) 988-5464

DISCLAIMER:

The above information and recommendations are accurate to the best of our knowledge. However, the company assumes no liability for the accuracy or completeness of the information contained herein and disclaims all liability for the reliance thereon. All chemicals present unknown health hazards and should be used with caution. The user should satisfy himself by independent investigation that he has all current data relevant to his particular use.

UN - Unavailable NA - Not Applicable NE - Not Established