

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Digester

EFFECTIVE DATE: January 7, 2009

WHMIS CLASS: Not a controlled product

T.D.G. CLASSIFICATION: n/ap

MATERIAL USE: Organic water digester

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	TLV	LD50	LC50
Tetrasodium					
Ethylenediamineteraacetate	64-02-8	n/av	n/av	n/av	n/av
Ethoxylated alcohol	78330-21-9	n/av	n/av	n/av	n/av
Alkylbenzenesulfonic Acid	68584-22-5	n/av	n/av	n/av	n/av
Alkyl Sulfate	2235-54-3	n/av	n/av	n/av	n/av
Sodium Xylene Sulfonate	1300-72-7	n/av	n/av	n/av	n/av
Viable bacterial cultures	n/av	n/av	n/av	n/av	n/av
Water	7732-18-5	n/av	n/av	n/av	n/av

PHYSICAL DATA

BOILING POINT (°C): 100°C

VAPOUR PRESSURE (mm Hg): @ 20°C – Equivalent to water

SPECIFIC GRAVITY: Approximately 1.0

VAPOUR DENSITY (Air=1): Equivalent to water

SOLUBILITY IN WATER: 99%

PH (as supplied): 7.5 – 9.0

APPEARANCE AND ODOUR: Milky to tan opaque liquid, perfumed

FIRE AND EXPLOSION DATA

FLAMMABILITY: n/av

FLASH POINT: n/av

MEANS OF EXTINCTION: Water spray, carbon dioxide, dry chemical powder

SPECIAL FIRE HAZARDS: None

AUTO IGNITION TEMP: n/av

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable under normal conditions.

INCOMPATIBILITY: Strong acids or alkali compounds may inactivate biological cultures.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

REACTIVITY: Hazardous polymerization will not occur.

FIRST AID

EYE: Immediately flush with water for at least 15 minutes and have eyes examined and treated by medical personnel.

SKIN: Remove contaminated clothing and footwear. Wash material off the skin with soap and water. Wash clothing and footwear before reuse.

INGESTION: Induce vomiting only if advised by physician or poison control center

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes contact (X), Skin contact (X), Skin absorption (X), Inhalation (X), Ingestion (X)

EFFECTS OF ACUTE EXPOSURE:

EYE: This material may cause eye irritation.

SKIN CONTACT: Contact may cause irritation. May cause infection if in contact with open wounds.

SKIN ABSORPTION: Systemically toxic concentrations will probably not be absorbed through the skin in man.

INHALATION: None known

INGESTION: Ingestion may result in abdominal pain, nausea and vomiting.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: n/ap

IRRITANCY: n/ap

CARCINOGENICITY: n/av

REPRODUCTIVE TOXIN: n/av

TERATOGENICITY: n/av

MUTAGENICITY: n/av

PREVENTATIVE MEASURES

HAND PROTECTION: n/ap

EYE PROTECTION: Safety glasses

RESPIRATORY PROTECTION: None required for recommended use. Avoid creating aerosols in poorly ventilated areas.

BODY PROTECTION: n/ap

FOOT PROTECTION: n/ap

ENGINEERING CONTROLS: Normal room ventilation.

LEAK AND SPILL PROCEDURE: Where possible, flush down drain to waste treatment sewer; otherwise on small spills, use chemical absorbent and sweep up. For large spills, contain and collect for reuse or disposal.

WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal.

STORAGE REQUIREMENTS: To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity.

HANDLING PROCEDURES: Prevent skin and eye contact. Wash hands thoroughly with soap and water after use. Avoid contact with eyes.

HMIS HAZARD RATING INFORMATION

FIRE
0

REACTIVITY
0

HEALTH
1

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

CHEM INTERNATIONAL

18043 – 107 Avenue
Edmonton, Alberta
T5S 1K3
1 (800) 665-7287