

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Algatrol SP 100
WHMIS CLASS: D2A
T.D.G. CLASSIFICATION: Not regulated
MATERIAL USE: Microorganism control.

EFFECTIVE DATE: January 5, 2009

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	TLV	LD50	LC50
Diocetyl dimethyl ammonium	5538-94-3	10-30	N/AV	N/AV	N/AV

PHYSICAL DATA

BOILING POINT: N/AV
SPECIFIC GRAVITY (H₂O=1): 0.9860
SOLUBILITY IN WATER: 100%
PHYSICAL STATE: Liquid
APPEARANCE AND ODOUR: Colourless to pale yellow liquid

VAPOUR PRESSURE (mm Hg): N/AV
VAPOUR DENSITY (Air=1): N/AV
EVAPORATION RATE (H₂O=1): N/AV
FREEZING POINT: 0°C
PH: 7.0

FIRE AND EXPLOSION DATA

FLASH POINT: N/AV
HAZARDOUS COMBUSTION PRODUCTS: May produce toxic fumes of hydrogen chloride, amines and oxides of carbon and nitrogen.
MEANS OF EXTINCTION: Water fog, foam, CO₂, dry chem.
SPECIAL FIREFIGHTING PROCEDURES: Use water only in the form of fog. Use self-contained breathing apparatus and protective clothing.

REACTIVITY DATA

CHEMICAL STABILITY: Stable
INCOMPATIBILITY: Oxidizing material
HAZARDOUS DECOMPOSITION PRODUCTS: See hazardous combustion products.

FIRST AID

EYE: In case of contact, immediately flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.
SKIN: Flush immediately with plenty of water for at least 15 minutes.
INHALATION: Move to fresh air.
INGESTION: Drink large quantities of milk or water. Do not induce vomiting. Get immediate medical attention.

TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE & CHRONIC EXPOSURE:

EYE: May cause irritation, redness and pain.

SKIN: May cause defatting and cracking of the skin. May be absorbed through skin causing systemic poisoning.

INHALATION: May cause irritation to mucous membranes and CNS depression.

INGESTION: Harmful or fatal, if swallowed. Transient stimulation of NVS followed by depression, vomiting, drowsiness, coma, respiratory failure, convulsions, renal damage which may proceed to anoxia, uraemia, and death.

CARCINOGENICITY: N/AV

REPRODUCTIVE TOXIN: N/AV

TERATOGENICITY: N/AV

MUTAGENICITY: N/AV

SYNERGISTIC MATERIALS: N/AV

EXPOSURE LIMITS: N/AV

PREVENTATIVE MEASURES

HAND PROTECTION: Rubber gloves should be worn.

EYE PROTECTION: Safety glasses with side shield.

RESPIRATORY PROTECTION: A mask may be worn.

BODY PROTECTION: Coveralls should be worn.

ENGINEERING CONTROLS: Use in well ventilated area.

LEAK AND SPILL PROCEDURE: clean up spills immediately. Small spills can be cleaned up by spreading suitable absorbent material on the spill & sweeping up the residue. Larger spills should be flushed to a collection basin for disposal.

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

HANDLING PROCEDURES & STORAGE REQUIREMENTS: Keep container closed when not in use.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE
<=LESS THAN - >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
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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.

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