

MATERIAL SAFETY DATA SHEET.**SECTION (1) PRODUCT IDENTIFICATION AND USE:****PRODUCT NAME:** KleenGrow™**PRODUCT USE:** DISINFECTANT**WHMIS CLASSIFICATION:** WHMIS exempt (PCP # 13148)**SUPPLIERS NAME:** PACE CHEMICALS LTD.
8321 WILLARD STREET,
BURNABY, B.C. V3N 2X3.**TELEPHONE:** (604) 520-6211.**FAX:** (604) 521-5927.**EMERGENCY PHONE:** (Canutec) (613) 996-6666.**SECTION (2) HAZARDOUS INGREDIENTS:**

Didecyldimethyl Ammonium Chloride
7.5 %w/w CAS # 7173-51-5.
LD50: (Oral, Rat); 560 Mg/Kg.
LD50: (Dermal, Rabbit); 4170 Mg/Kg.
LC50: No Data Available.

Iso-Propyl Alcohol.
10 %w/w CAS # 67-63-0
Exposure limits: Acgih TLV 400 ppm.
LD50: (Oral, Rat); 5840 ppm
LD50: (Dermal, Rabbit); 13 Gm/Kg
LC50: (Rat, 8 Hrs); 16000 ppm.

Ethanol.
1.5 %w/w CAS # 64-17-5
LD50: (Oral, Rat): 21 Gm/Kg.
LC50: No Data Available.

SECTION (3) PHYSICAL DATA:

Physical state:	Liquid.
Appearance:	Colourless.
Odour:	Mild, Indistinct.
Odour threshold: (ppm)	No Data Available.
Vapour pressure: (mm Hg)	No Data Available.
Vapour density: (Air=1)	No Data Available.
Evaporation rate: (Butyl Acetate=1)	<1
Boiling point:	100°C Approx.
Freezing point:	No Data Available.
pH:	Approx. 6.5
Specific Gravity:	0.97
Water/oil distribution coefficient:	No Data Available.

SECTION (4) FIRE & EXPLOSION DATA:

Flammability: Yes (X) No ()

If yes under what conditions? Open Flames.

Means of extinction: Water Fog, CO₂, Dry, Foam.

Flash point & method: 37.2°C (tcc)

Flammability limits: (v/v in air) (for IPA) Upper: 12.7

Lower: 2

Auto ignition temperature: (°C) Data Not Available.

Hazardous combustion products: Oxides of Carbon & Nitrogen.

Explosion data: Sensitivity to impact: None Known.

Sensitivity to static discharge: None Known.

SECTION (5) REACTIVITY DATA:

Chemical stability: No () Yes (X)

If no, under what conditions?

Incompatibility with other substances: No () Yes (X)

If yes, which ones? Strong Oxidizers.

Reactivity data: Stable (X) Unstable ()

If unstable, Under which conditions?

Hazardous decomposition products: Alcohol Vapours.

Oxides of Carbon & nitrogen. Hydrogen chloride

on thermal decomposition.

SECTION (6) TOXICOLOGICAL PROPERTIES:

Route of entry: Skin contact (X) Skin absorption (X)

Eye contact (X) Inhalation (X) Ingestion (X)

Effects of acute exposure to product:

SKIN CONTACT: Skin irritant.

EYE CONTACT: Vapours irritant to eyes.

Liquid is irritating & corrosive to the eyes.

INHALATION: Vapours & mists may cause irritation to the respiratory tract. Vapours may cause dizziness

INGESTION: Burning sensation to digestive system.

Ingestion of large amounts may be fatal.

Effects of chronic exposure to product: No Data Available.

Exposure limits: No Data Available.

Irritancy of product: Irritant to eyes & skin.

Sensitization to product: No Data Available.

Synergistic products: No Data Available.

Teratogenicity: No Data Available.

Reproductive toxicity: No Data Available.

Mutagenicity: No Data Available.

Carcinogenicity: The ingredients of this product are not considered to be carcinogens by the National Toxicity Program, the International Agency for Research on Cancer or the Occupational Safety and Health administration.

SECTION (7) PREVENTIVE MEASURES:

Gloves: PVC or Nitrile Rubber.
Respirator: Full-face with NIOSH approved organic vapour cartridge and prefilter approved for pesticides.
Eye protection: see Respirator, above.
Footwear: Rubber boots.
Clothing: Chemical-resistant coveralls.
Other: Eye wash station availability recommended.
Engineering controls: Normal ventilation is adequate.
Leak & spill procedure: Stop leak. Pick up spills with mineral sweeping compound (Floor Dry) & place in disposable container. Wash down floor to municipal sewer. Do not allow product or washings to enter surface water. (Ponds, streams etc.)
Waste disposal procedure: Refer to product label. Dispose of only in accordance with directions on the label.
Handling procedure & equipment: Use care.
Storage requirements: Keep closed when not in use. Store in cool place away from foodstuffs.

SPECIAL SHIPPING INSTRUCTIONS:

Flammable liquids NOS (Iso-propyl Alcohol & Ethanol)
Class 3.3 UN 1993 PG 111. (Flash Pt. 37.2°C)

SECTION (8) FIRST AID MEASURES:

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 min.
EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 min. Remove contact lenses after first 5 min. then continue rinsing eye.
INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably mouth-to-mouth.
INGESTION: Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control centre or doctor. Do not give anything by mouth to an unconscious person.

In all cases call a poison control centre or doctor for advice.

SECTION (9) PREPARATION DATA:

The information supplied in this data sheet is derived from sources believed to be reliable, however PACE CHEMICALS LTD offers no warranty, written or implied, as to the accuracy of its contents. We advise recipients to confirm in advance of need that the information is current, suitable and applicable to their requirements.

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