

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined  
N/A=Not Applicable

**Product:** WINTER PINE DEODORANT

**Manufacturer:** ESTEAM

**Flammability:** 0

**Chem. Name:** N/A

**Trade Name:** Carpet Deodorizer

**Reactivity:** 0

**Chem. Family:** Mixture

**Use:** Carpet deodorizing product

**Health:** 1

**Protection:**

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

## HAZARDOUS INGREDIENTS

Isopropanol  
N,N-Cidecyl-N, N-Dimethyl-Ammonium

**CAS #**  
67-63-0  
7173-51-5

**% WT**  
3-12  
<1%

**HAZARD DATA**  
LD50 5045 mg/kg (oral-rat)  
LD50 450 mg/kg (oral-rat)

**EXPOSURE LIMITS (TLV)**  
400 ppm  
N/A

## PHYSICAL DATA

**Physical State:** Liquid  
**Odor/Appearance:** Scented clear liquid

**Boiling Point (C):** 100  
**Freezing Point (C):** -5

**Solubility in Water:** 100%  
**Ph (undiluted):** 7.7

**Evaporation Rate:** N/D  
**Specific Gravity:** 1.0

**Freeze/Thaw Stable:** Yes  
**Percent Volatile (vol):** N/D  
**Vapor Pressure:** N/D

## FIRE & EXPLOSION HAZARD

**Flammability:** N  
**Means of Extinction:** N/A  
**Special Procedures:** N/A  
**Explosion Sensitivity to Impact:** N/A  
**Chemical Sensitivity to Static Discharge:** N/A  
**Flashpoint (C) & Method:** N/A

**Conditions:** N/A  
**Hazardous Combustion Products:** N/A  
**Upper Explosion Limit (% by vol):** N/A  
**Lower Explosion Limit (% by vol):** N/A  
**Auto-ignition:** N/A  
**Rate of Burning:** N/A  
**Explosive Power:** N/A

**TDG/WHMIS:** Non hazardous / D2B

## REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Decomposition Product:** N/D

**Incompatible Substances:** Oxidizing materials and acids

## TOXICOLOGICAL PROPERTIES

**Route of Entry - Skin Contact:** Y  
**Route of Entry - Skin Absorption:** N  
**Route of Entry - Eye Contact:** Y  
**Route of Entry - Inhalation:** Y  
**Route of Entry - Ingestion:** Y

**Reproductive Effects Y/N:** N  
**Carcinogenicity Y/N:** N  
**Mutagenicity Y/N:** N  
**Teratogenicity Y/N:** N/D  
**TLV:** N/D

### Effects of Overexposure:

#### Acute Effects:

May cause temporary discomfort to eyes. Ingestion of large quantities may cause vomiting, nausea or diarrhea. No chronic local toxicity as a result of acute local inhalation.

#### Chronic Effects:

Frequent or prolonged exposure may irritate skin.

## PREVENTATIVE MEASURES

**Gloves:** Rubber or plastic  
**Eyes:** Goggles with side shield

**Footwear:** N/A  
**Respirator:** N/A

**Clothing:** N/A  
**Other:** N/A

### Recommended Engineered Controls:

Use with adequate ventilation.

### Leak & Spill Procedures:

Soak up with inert absorbent. Wash unrecoverable material to a sanitary sewer.

### Waste Disposal Methods:

According to federal, provincial and municipal regulations.

### Special Handling Procedures:

Keep container tightly closed. Store in a cool, dry place.

## FIRST AID MEASURES

**Inhalation:** Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.

**Ingestion:** Contact a physician.

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

**Prep./Revised Date:** May 1, 2007

**Prepared By:** R. Russell

**Source Material:** Manufacturer's MSDS

**Emergency Response:** 1-613-996-6666 (Transport Emergencies)

**Mailing Address:** Esteam Manufacturing Ltd.  
3750-19th Street NE Calgary, AB T2E 6V2



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.