

MATERIAL SAFETY DATA SHEET

Superco Specialty Products
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Valencia, CA 91355

GENERAL INFORMATION NUMBER: (661) 775-8877
CHEMTREC: (800) 424-9300

REVISION DATE: August 26, 2005
DATE OF ISSUE: August 31, 2005

I - Product Identification

ICE-AWAY A

PRODUCT CODE: 1103

CHEMICAL FORMULATION: Pressurized alcohol based deicer.

NFPA HAZARD IDENTIFICATION SYSTEM: **HEALTH:** 1 **FLAMMABILITY:** 3 **REACTIVITY:** 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u>	<u>ACGIH</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
		<u>PEL</u>	<u>TLV</u>	<u>302</u>	<u>355</u>	<u>372</u>	
Methanol	> 90.0	200 ppm	200 ppm	Y	N	Y	67-56-1
Carbon Dioxide	1.00-5.00	10,000 ppm	5000 ppm	N	N	N	124-38-9

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 147

VAPOR PRESSURE (mm Hg): 96 at 20°C

VAPOR DENSITY (AIR = 1): 1.1

SOLUBILITY IN WATER: Miscible

APPEARANCE AND ODOR: Clear, colorless liquid; alcohol odor.

SPECIFIC GRAVITY (WATER = 1): 0.792

VOC CONTENT (% by weight): 90.0-95.0

EVAPORATION RATE (WATER = 1): > 1.0

pH: N/A

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 52

(TEST METHOD): Closed cup

NFPA 30B Rating: 3

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: 6

LOWER: 36.5

EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers.

CONDITIONS TO AVOID: Excess heat and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation, blurred vision and possible tissue damage to eyes.

IF ON SKIN: Moderate irritation, defatting and dermatitis with prolonged or repeated exposure.

IF SWALLOWED: May be harmful or fatal if swallowed. Gastrointestinal irritation, nausea, vomiting.

IF INHALED: Drowsiness, lightheadedness, weakness, headache.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Remove contaminated clothing and wash with soap and water for 15 minutes. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Induce vomiting, then give 2 teaspoons of baking soda in a glass of water. Never give anything to an unconscious person. Obtain medical attention.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and extinguish all sources of ignition. Soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: August 26, 2005 **Prepared by:** Technical Dept. **DATE OF ISSUE:** August 31, 2005

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