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Part Num Or
Keyword

Sleet De-Icer

Item No: DA6120

Product
Name: Sleet

By: Drummond American

DS ID: DA6120

Revision Date: 11/19/2003

MATERIAL SAFETY DATA SHEET

Product Name: Sleet

Manufacturer: Drummond American

Address: 600 Corporate Woods Parkway Vernon Hills IL 60061

Telephone: (847) 913-9313

Emergency: (888) 426-4851

Contact: Corporate Compliance Team

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SECTION 01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Trade Name: Sleet

Synonyms:

Description:

NFPA 704M© Rating:

Health: 1 Fire: 3 Reactivity: 1 Special:

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

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SECTION 02 COMPOSITION AND INFORMATION ON INGREDIENTS

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Chemical Ingredients (% by Weight)

Ingredient	CAS Number	Percent Weight
Methanol	67-56-1	55% - 60%
Ethylene Glycol	107-21-1	4 %

Water	7732-18-5	
Liquified Petroleum Gas	68476-85-7	< 5 %
Carbon Dioxide	124-38-9	< 5 %
Isopropanol	67-63-0	< 10 %
Morpholine	110-91-8	< 0.5 %

SECTION 03 HAZARD IDENTIFICATION

Poison, May be fatal or cause blindness if swallowed.

Route(s) of Entry

Inhalation. Eyes. Skin. Ingestion.

Skin

Causes skin irritation.

Eyes

May cause irritation.

Inhalation

Exposure to vapors may cause the following effects: Respiratory irritation. Nausea. Headaches. Giddiness. Loss of coordination. Dizziness.

Ingestion

Harmful or fatal if swallowed.

Medical Conditions Aggravated by Exposure

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product.

SECTION 04 FIRST AID INFORMATION

Ingestion

Contact physician or poison control center immediately. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. Never induce vomiting if the victim is unconscious or having convulsions.

Skin

Flush skin with water. Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Eye

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

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SECTION 05 FIRE FIGHTING MEASURES

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Flash Point: < 0°F (propellant)

FP Method: N/A

LEL: 7.3

LEL: 36

Extinguishing Media

Carbon dioxide. Foam. Dry chemical.

Fire and Explosion Hazards

Flammable liquid and vapor. Containers may vent or burst under extreme or prolonged fire conditions.

Special Fire Fighting Procedures

Keep containers cool. Use shielding to protect against bursting or venting containers. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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SECTION 06 ACCIDENTAL RELEASE MEASURES

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Small Spill

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with noncombustible inert absorbent material. Collect and contain for disposal. Dispose of absorbent in accordance with local, state and federal regulations.

Large Spill

Follow procedures for small spill.

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SECTION 07 HANDLING AND STORAGE

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Handling

Keep away from sources of ignition. Avoid breathing vapors. Use with adequate ventilation. Read entire label before use. Use only according to label directions. Keep out of reach of children. Do not puncture or incinerate.

Storage

Do not store in direct sunlight. Keep away from heat and flame. Store in temperatures below 130 degrees F. Avoid unsanitary conditions, usage, and storage.

NFPA Storage Codes

Store as Level 2 Aerosol (NFPA 30B).

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SECTION 08 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Eye Protection

ANSI approved safety glasses are recommended to prevent accidental eye contact.

Protective Gloves

The following glove(s) are recommended: Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Ventilation

Local: adequate. Mechanical: optional.

Respiratory Protection

None required if adequate ventilation is provided. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended. Seek professional advice prior to respirator selection and use.

Other Protective Clothing

Impermeable clothing should be worn.

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SECTION 09 PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Aerosol

Specific Gravity: 0.8369

Color/Appearance: Clear liquid

Odor: Alcohol

pH: N/Av

Boiling/Cond. Point: N/Av

Melting/Freezing Point: N/Av

Solubility: Complete in water

Evaporation Rate: <1 (ether=1)

VOC %: 79.1

Percent Volatile: N/Av

Viscosity: N/Av

Vapor Density: >1 (air=1)

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SECTION 10 STABILITY AND REACTIVITY

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Stability

Stable.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Carbon monoxide. Calcium dioxide. Toxic chemicals.

Incompatibility

Oxidizers.

Conditions to Avoid

Avoid heat, sparks, and other sources of ignition. Avoid direct sunlight.
Avoid open flames. Dropping of containers may cause bursting. Do not store
above 130 degrees F.

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SECTION 11 TOXICOLOGICAL INFORMATION

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Carcinogenicity

None of the components are listed by NTP, IARC, or OSHA as carcinogenic.

Ethylene Glycol (107-21-1): 8540 mg/kg LD50 (oral rat)

Isopropanol (67-63-0): 5840 mg/kg LD50 (oral rat)

Methanol (67-56-1): 5600 mg/kg LD50 (oral rat)

Morpholine (110-91-8): 1050 mg/kg LD50 (oral rat)

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SECTION 12 ECOLOGICAL INFORMATION

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Ecological Information

No information available.

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SECTION 13 DISPOSAL CONSIDERATIONS

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Waste Disposal Method

Do not puncture or incinerate. When contents are depleted, depress button
until all gas is expelled. Dispose in accordance with federal, state, and
local regulations.

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SECTION 14 TRANSPORTATION INFORMATION

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Proper Shipping Name

Consumer Commodity (ORM-D)

DOT Class

ORM-D.

ID Number

UN1950

IATA Class

2.1 (Flammable Gas) 6.1 (Poison)

IATA Packing Group

II

SECTION 15 REGULATORY INFORMATION

CPR Certification

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations.

TSCA Certification

All chemicals in this product are listed, or are exempt from listing on the TSCA inventory.

S.A.R.A. Title III, Section 313

This product contains the following chemicals subject to reporting:

Ethylene Glycol (107-21-1): 4%
Methanol (67-56-1): 59.17%

SECTION 16 OTHER INFORMATION

Disclaimer

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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