

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : DE-ICE
Product form: Liquid
Other means of identification: 0513

Relevant identified uses of the substance or mixture: Liquid ice melting compound.

Details of the supplier of the safety data sheet

Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Eye irritation - Category 2A
Specific target organ toxicity-single exposure(Category 3), Central nervous system
Pictogram



Signal Word

Warning

Hazard Statements

Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary Statements – Prevention

Avoid breathing fume/vapors.
Wash skin thoroughly after handling.
Wear protective gloves/eye protection/face protection
Use in a well ventilated area.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs get medical advice/attention.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage: Store in a well ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS #	Weight %
Isopropyl alcohol	67-63-0	10-20

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash with plenty of soap and water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Causes serious eye irritation

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media:

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

No data available.

Specific Hazards Arising from the Chemical:

Carbon oxides.

Protective Equipment and Precautions for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods for Cleaning Up: Keep in suitable, closed containers for disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Chemical Name</u>	<u>CAS #</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH</u>
Isopropyl alcohol	67-63-0	TWA: 200 PPM	TWA: 400 PPM 980 mg/m ³	TWA: 400 PPM 980 mg/m ³

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles where a splash hazard exists.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
<u>Property</u>	<u>Values</u>
pH	7.0-8.0
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	100 ° C (212 ° F)
Flash Point	None
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	Not Flammable
Lower Flammable Limits	Not Flammable
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	0.98
Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available.
Odor	Alcohol
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No data available

Conditions to Avoid

No data available

Incompatible Materials

Strong oxidizing agents, Strong acids.

Hazardous Decomposition Products

Carbon oxides.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes eye irritation

Skin Contact: Avoid contact with skin.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol	67-63-0	=5,045 mg/kg(Rat)	12,800 mg/kg(Rabbit)	16000 ppm(Rat) 8 h

Chemical Name	Isopropyl alcohol
Skin corrosion/irritation	Mild irritation(Rabbit)
Serious eye damage/irritation	Eye irritation (Rabbit) -8 h
Respiratory or skin sensitization	No data available
Mutagenicity	No data available
Carcinogenicity	Not classifiable
Reproductive toxicity	No data available
Specific target organ toxicity- Single exposure	Inhalation-Oral May cause drowsiness or dizziness.
Specific target organ toxicity- repeated exposure	No data available
Aspiration hazard	No data available

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA or NTP. IARC-Group 3: Not classifiable as to its carcinogenicity to humans.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Isopropyl alcohol	67-63-0	EC50- Desmodemus subspicatus (green algae)-> 2,000 mg/l – 72 h EC50-Algae-> 1,000 mg/l – 24 h	LC50-Pimephales promelas (fathead minnow)- 9,640 mg/l -96 h	Immobilization EC50-Daphnia magna(water flea)-6,851 mg/l- 24 h EC50-Daphnia magna (water flea)-5,102 mg/l- 24 h

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Non-Bulk: Not regulated as dangerous goods.

Bulk: Not regulated as dangerous goods.

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute health hazard, Chronic health hazard.

SARA Title III Section 313 (40CFR372): One reportable components: Isopropyl alcohol

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: IARC Group 3

Canadian DSL Status: Reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol	X	X	X

Section XVI - Other information

HMIS ratings: Health: 2
 Flammability: 0
 Reactivity: 0
 Indication of changes: Revision – 1
 Date Sheet Prepared: 06/18/2015
 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS