

Safety Data Sheet

De-Icer

SECTION 1: Identification

1.1 Product identifier

Product name De-Icer

1.3 Recommended use of the chemical and restrictions on use

Remove or prevent ice from accumulating on automotive glass surfaces

1.4 Supplier's details

Manufactured For:
Imperial Supplies LLC
789 Armed Forces Drive
P.O. Box 11008
Green Bay, WI 53407-1008
1-800-558-2808

1.5 Emergency phone number(s)

1-800-262-8200 (CHEMTREC)

SECTION 2: Hazard identification

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, dermal, Cat. 3
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, oral, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1
- Flammable liquids, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapor

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H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H370	Causes damage to organs [organs, route]

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/.../ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P302+P352	IF ON SKIN: Wash with plenty of water/...
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P311	Call a POISON CENTER/doctor/...
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P321	Specific treatment (see ... on this label).
P330	Rinse mouth.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use ... to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

*** EMERGENCY OVERVIEW ***: Harmful if absorbed through skin. Poison! Vapor harmful. May be fatal if swallowed or cause blindness. Harmful if inhaled or absorbed through skin. Cannot be made nonpoisonous. Compositions containing >4% methanol must be labeled with skull & crossbones and bear the warning "Poison - cannot be made nonpoisonous. May be fatal or cause blindness if swallowed.".

Hazardous components

1. Methanol

Concentration	90 - 100 % (weight)
EC no.	200-659-6
CAS no.	67-56-1
Index no.	603-001-00-X

- Flammable liquids, Cat. 2
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, oral, Cat. 3

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- Specific target organ toxicity (single exposure), Cat. 1

H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H370	Causes damage to organs [organs, route]

2. Propylene glycol

Concentration	1 - 10 % (weight)
EC no.	200-338-0
CAS no.	57-55-6

Trade secret statement (OSHA 1910.1200(i))

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Avoid contact with eyes, skin, and clothing. Avoid breathing vapors.
If inhaled	Move to fresh air. If breathing is difficult, give oxygen. Artificial respiration and/or oxygen may be necessary. If breathing has stopped, contact emergency medical services immediately.
In case of skin contact	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.
In case of eye contact	Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Seek immediate medical attention/advice. If symptoms persist, call a physician.
If swallowed	Call a physician or Poison Control Center immediately. Rinse mouth. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

4.2 Most important symptoms/effects, acute and delayed

Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to target organs.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Cool containers/tanks with water spray. Water Fog, Carbon Dioxide (CO₂), Foam, Dry Chemical.

5.2 Specific hazards arising from the chemical

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Keep product and empty container away from heat and sources of ignition. Extremely Flammable / Flammable. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

5.3 Special protective actions for fire-fighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions

Vapors can accumulate in low areas. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Report spills as required by local and federal regulations. Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Containment: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Cleaning up: Soak up with inert absorbent material. Contain liquid and collect with an inert, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges. Ground and bond containers when transferring material. Prevent product from entering drains.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Do not eat, drink, or smoke, when using this product. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces, and sources of ignition. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions: Keep cool. Protect from sunlight. Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Methanol (CAS: 67-56-1 EC: 200-659-6)

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PEL-TWA (Inhalation): 200 ppm, 260 mg/m³ (OSHA)

Headache. Nausea. Dizziness. Eye damage Substances for which there is a Biological Exposure Index or Indices
Danger of cutaneous absorption

PEL-TWA (Inhalation): 200 ppm (Cal/OSHA)

PEL-ST (Inhalation): 250 ppm (Cal/OSHA)

PEL-C (Inhalation): 1000 ppm (Cal/OSHA)

PEL-ST (Inhalation): 250 ppm (NIOSH)

REL-TWA (Inhalation): 200 ppm (NIOSH)

TLV® (Inhalation): 200 ppm (ACGIH)

TLV® (Inhalation): 250 ppm (ST) (ACGIH)

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields.

Skin protection

Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid
Odor	Solvent
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	12 °C / 54 °F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

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Other safety information

VOC Content (%) 97.5

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong acids, alkalis, oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides, Hydrocarbons, Fumes.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

ATE (dermal) of mixture: 375 mg/kg

ATE (inhalation, gaseous) of mixture: 875 ppmv

ATE (oral) of mixture: 125 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation

Remarks: (ECHA) Drying-out effect resulting in rough and chapped skin.

Serious eye damage/irritation

Eyes - Rabbit

Result: No eye irritation

Remarks: (ECHA) Possible damages: Irritations of mucous membranes

Respiratory or skin sensitization

Sensitisation test: - Guinea pig

Result: negative

(OECD Test Guideline 406)

Germ cell mutagenicity

Not a germ cell mutagen.

Carcinogenicity

There are no known carcinogenic chemicals in this product.

Reproductive toxicity

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Development effects (immediate/delayed) have occurred in laboratory animals

STOT-single exposure

Eye, Skin, Respiratory System, Central Nervous System, Liver, Kidneys, Blood, Bone Marrow, and Gastrointestinal Tract.

STOT-repeated exposure

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.

Aspiration hazard

May be harmful if swallowed and enters airways.

Additional information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 102 mg/kg

ATEmix (dermal) 308 mg/kg

ATEmix (inhalation-dust/mist) 0.5 mg/l

SECTION 12: Ecological information

Toxicity

Methanol (67-56-1)

Toxicity to fish: 28200 mg/L LC50, Pimephales promelas 96h flow-through 100 mg/L LC50, Pimephales promelas 96h static 19500 - 20700 mg/L LC50, Oncorhynchus mykiss 96h flow-through 18 - 20 mL/L LC50, Oncorhynchus mykiss 96h static 13500 -17600 mg/L LC50, Lepomis macrochirus 96h flow-through

Propylene glycol (57-55-6)

Toxicity to algae: 19000 mg/L EC50 Pseudokirchneriella subcapitata 96h

Toxicity to fish: 51600 mg/L LC50, Oncorhynchus mykiss 96h static 41 - 47 mL/L LC50, Oncorhynchus mykiss 96h static 51400 mg/L LC50, Pimephales promelas 96h static 710 mg/L LC50 Pimephales promelas 96h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Disposal of contaminated packaging

Do not re-use empty containers.

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SECTION 14: Transport information

DOT (US)

UN number: 1230 Class: 3
Packing group: II
Proper shipping name: Methanol
Reportable Quantity (RQ): 5000 lbs
Poison Inhalation Hazard: No

IMDG

UN number: 1230 Class: 3 (6.1)
Packing group: II
EMS-No: F-E, S-D
Proper shipping name: METHANOL

IATA

No data available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Methanol
CAS number: 67-56-1

New Jersey Right To Know Components

Chemical name: Methanol
CAS number: 67-56-1

California Prop. 65 Components

State of California to cause birth defects or other reproductive harm.
Methanol
CAS-No. 67-56-1

Pennsylvania Right To Know Components

Chemical name: Methanol
CAS number: 67-56-1

Canadian Domestic Substances List (DSL)

Chemical name: Methanol
CAS: 67-56-1

California Prop. 65 components

Chemical name: Methanol
CAS number: 67-56-1
03/16/2012 - Developmental toxicity

15.2 Chemical Safety Assessment

WHMIS Hazard Class
B2 Flammable liquid

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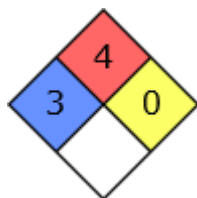
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D1A Very toxic materials
D2B Toxic materials

HMIS Rating

De-Icer	
HEALTH	2
FLAMMABILITY	4
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

16.2 Preparation information

Prepared by Technical Department