

## SAFETY DATA SHEET



Issuing Date 12-Jan-2016

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Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name                      Lock De-Icer

Other means of identification

Product Code(s)                  MZ-1, MZ-1H

UN-Number                         UN1219

Synonyms                          Lock De-Icer

Recommended use of the chemical and restrictions on use

**Recommended Use**                      Lock De-Icer Thaws frozen locks quickly and keeps them working! Also lubricates internal lock mechanism to prevent further freezing and protect against rust. Not harmful to automotive paint finishes. Suggested applications: auto and home door locks, gas cap locks, bike rack locks, ski box locks, and luggage box locks.

**Uses advised against**                      No information available

Supplier's details

**Supplier Address**  
AGS Company  
P.O. Box 729  
Muskegon, MI  
49443  
TEL: 800-253-0403

Emergency telephone number

**Emergency Telephone Number**                      800-255-3924

## 2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous by the OSHA Hazard Communication Standard 2012 (29 CFR 1910 1200).

Serious Eye Damage/Eye Irritation	Category 2
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Flammable liquids	Category 2

GHS Label elements, including precautionary statements

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**Emergency Overview**
**Signal Word****Danger****Hazard Statements**

- Causes serious eye irritation
- May cause drowsiness or dizziness
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- Highly flammable liquid and vapor.

**Appearance** Colorless.**Physical State** Liquid.**Odor** Pleasant.**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.
- Keep cool.

**General Advice**

- IF exposed

**Eyes**

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

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Inhalation**

- 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.

**Fire**

- In case of fire: Use CO2, dry chemical, or foam for extinction.

**Storage**

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable.

Other information

No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

Lock De-Icer

Chemical Name	CAS-No	Weight %	Trade secret
Isopropyl alcohol	67-63-0	60-100	*

### 4. FIRST AID MEASURES

Description of necessary first-aid measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.
<b>Protection of First-aiders</b>	Remove all sources of ignition.

Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information available.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use: Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Explosion Data

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.

Protective Equipment and Precautions for Firefighters

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

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal Precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

### Environmental Precautions

**Environmental Precautions** Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological Information.

### Methods and materials for containment and cleaning up

**Methods for Containment** A vapor suppressing foam may be used to reduce vapors.

**Methods for Cleaning Up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Non-sparking tools should be used. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Use only in an area containing flame proof equipment. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid breathing vapors. Remove and wash contaminated clothing before re-use.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place.

**Incompatible Products** Strong acids. Strong bases. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m <sup>3</sup> (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m <sup>3</sup> TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** None required for consumer use. Risk of contact, wear: Safety glasses with side-shields.  
**Skin and Body Protection** None required for consumer use. Repeated or prolonged contact: Gloves should be worn.  
**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.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid.	<b>Appearance</b>	Colorless.
<b>Odor</b>	Pleasant.	<b>Odor Threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	180.1 °F	None known
Flash Point	53.6 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	2.04	None known

<b>Flammable Properties</b>	Not flammable
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<b>Explosive Properties</b>	No data available
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<b>Oxidizing Properties</b>	No data available
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**Other information**

<b>VOC Content (%)</b>	No data available
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**10. STABILITY AND REACTIVITY****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials**

Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	There is no data available for this product
<b>Inhalation</b>	There is no data available for this product. May cause drowsiness and dizziness based on components.
<b>Eye Contact</b>	There is no data available for this product.
<b>Skin Contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredients above reportable quantities listed as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		

**Legend:**

**IARC: (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to its Carcinogenicity to Humans

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity - Product**

<b>Acute Toxicity</b>	No information available.
<i>The following values are calculated based on chapter 3.1 of the GHS document:</i>	
<b>LD50 Oral</b>	4396 mg/kg; Acute toxicity estimate
<b>LD50 Dermal</b>	12800 mg/kg; Acute toxicity estimate

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Isopropyl alcohol 67-63-0	EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus) EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 11130 mg/L static (Pimephales promelas) LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas) LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)	EC50 48 h: = 13299 mg/L (Daphnia magna)
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**Persistence and Degradability** No information available.

**Bioaccumulation**

Chemical Name	Log Pow
Isopropyl alcohol	0.05

**Other Adverse Effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

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

**Contaminated Packaging** Do not re-use empty containers.

### 14. TRANSPORT INFORMATION

**DOT**

UN-Number UN1219  
 Proper shipping name Isopropanol  
 Hazard Class 3  
 Packing Group II  
 Description UN1219, Isopropanol (<TND>), 3, II  
 Emergency Response Guide Number 129

**ICAO**

UN-Number UN1219  
 Proper shipping name Isopropanol  
 Hazard Class 3  
 Packing Group II  
 Description UN1219, Isopropanol, 3, II

**IATA**

UN-Number UN1219  
 Proper Shipping Name Isopropanol  
 Hazard Class 3  
 Packing Group II  
 ERG Code 3L  
 Description UN1219, Isopropanol, 3, II

**IMDG/IMO**

UN-Number UN1219  
 Proper Shipping Name Isopropanol  
 Hazard Class 3  
 Packing Group II  
 EmS No. F-E, S-D  
 Description UN1219, Isopropanol, 3, II

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

TSCA	Complies
DSL	Complies

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Isopropyl alcohol	X	X	X		X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

<b>16. OTHER INFORMATION</b>
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<b>NFPA</b>	Health Hazard 1	Flammability 3	Instability 0	Physical and Chemical Hazards - Personal Protection X
<b>HMIS</b>	Health Hazard 1	Flammability 3	Physical Hazard 0	

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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Revision Note	Initial Release.



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**General 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.

End of Safety Data Sheet