

ACP-134 Sub Zero Freezer Cleaner

Date: 08/14/2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Sub Zero Freezer Cleaner

Other Means of Identification

Product Code ACP-134

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Equipment cleaner in freezing environments

Details of the Supplier of the Safety Data Sheet

Manufacturer Address Arrow Chemical Products, Inc.
5933 W. KL Ave
Kalamazoo, MI 49009

Emergency Telephone Number

Company Phone Number 313-237-0277
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2 Sub-category B

Signal Word

WARNING

Hazard Statements

Harmful if swallowed
Causes skin irritation
Causes eye irritation



Appearance Clear liquid

Physical State Liquid

Odor Alcohol

Precautionary Statements - Prevention

Wear protective gloves\protective clothing\eye protection\face protection
 Keep away from heat\sparks\open flames\hot surfaces. – No smoking
 Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements – Response

Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Call a POISON CENTER or doctor/physician. Drink a large quantity of water if able. Do NOT induce vomiting. If possible, do not leave individual unattended.
IN CASE OF FIRE: Use alcohol foam, carbon dioxide, dry chemical, or water spray for extinction.

Precautionary Statements - Storage

Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Dipropylene Glycol	34590-94-8	30 - 40
Isopropyl Alcohol	67-63-0	0 - 10
Potassium hydroxide	1310-58-3	0 - 10
Alcohol Ethoxylate	68439-46-3	0 - 10

4. FIRST AID MEASURES

First Aid Measures

- Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If irritation persists or if contact has been prolonged, seek medical attention.
- Eye Contact** Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- Ingestion** Drink plenty of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician for advice.
- Skin Contact** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation occurs or persists seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

- Symptoms** May cause eye and skin irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed

- Note to Physicians** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use alcohol foam, carbon dioxide, dry chemical, or water spray for extinction. Use water spray to cool fire exposed containers.

Unsuitable Extinguishing Media Jet water spray may cause frothing and splattering of burning material.

Specific Hazards Arising from the Chemical

Burning can produce carbon monoxide and/or carbon dioxide.

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 Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

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

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Do not taste or swallow.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store in a cool dry place. For industrial and commercial use only. KEEP OUT OF THE REACH OF CHILDREN.

Incompatible Materials Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	TWA: 400 ppm	-	-
Potassium hydroxide 1310-58-3	2 mg/m ³	2 mg/m ³	-
Dipropylene Glycol Mononethyl ether 34590-94-8	TWA: 100 ppm STEL: 150 ppm	25 ppm	200 ppm

Appropriate Engineering Controls

Engineering Controls Good general ventilation should be sufficient for most conditions.

Individual Protection Measures, such as Personal Protective Equipment

- Eye/Face Protection** Splash goggles or safety glasses.
- Skin and Body Protection** Rubber gloves or other impervious gloves.
- Respiratory Protection** Room ventilation is expected to be satisfactory where this product is used.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Alcohol
Appearance	Clear liquid	Odor Threshold	Not determined
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	> 13	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not Determined	
Flash Point	200° F	
Evaporation Rate	<1	(Water = 1)
Flammability (Solid, Gas)	Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.01	
Water Solubility	Complete	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
Incompatible with strong oxidizing agents. Burning can produce carbon monoxide and/or carbon dioxide.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Sparks, open flame, or other ignition sources, and elevated temperatures. Keep out of reach of children.

Incompatible Materials
Strong oxidizing agents, caustics (bases).

Hazardous Decomposition Products
Carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation	Harmful by inhalation.
Eye Contact	Causes eye irritation.
Skin Contact	Can be absorbed through the skin. Causes skin irritation.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg (Rabbit)	
Potassium hydroxide 1310-58-3	273 mg/kg	No data available	No data available

Information on Physical, Chemical and Toxicological Effects

Symptoms	Repeated and prolonged skin contact may result in dermatitis. Mists and vapors cause irritation of the eyes, mucous membranes, and upper respiratory tract.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	Not classified as a carcinogen per GHS criteria. Not classified as a carcinogen by NTP, IARC, or OSHA.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl Alcohol 67-63-0		9640 mg. L 96 h /L LC50		1400 mg/ L / 48 EC50
Sodium hydroxide 1310-73-2	61 mg/L 96 h Selenastrum capricornutum ErC50	80 mg/L 96 h Mosquito Fish Fathead Minnow 179 mg/L 96 h		60 mg/L 48 h Daphnia Magna EC50

Persistence and Degradability

Biodegradable

Bioaccumulation

Potential for bioconcentration in aquatic organisms is low.

Mobility

Expected to have high mobility in soil.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** NA1993 Combustible liquid, n.o.s. (Isopropyl alcohol), 3, III
- IATA** NA1993 Combustible liquid, n.o.s. (Isopropyl alcohol), 3, III
- IMDG** NA1993 Combustible liquid, n.o.s. (Isopropyl alcohol), 3, III

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

CERCLA Reportable Quantity The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Potassium hydroxide	1310-58-3	1000 lbs.

SARA 313 No chemical (s) components of this product are subject to reporting levels established by SARA Title III, Section 313.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X		
Potassium hydroxide 1310-58-3	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	1	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	2	1	Not determined	B

Revision Note New format

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End of Safety Data Sheet