

SAFETY DATA SHEET



1: Identification

GHS Product Identifier

Product Name: Arctic Ready-to-Use Ice Machine Cleaner

Other Means of Identification

Product Code(s): 147ARCTICRPT, 147ARCTICRT1G

UN-Number: UN1760

Synonyms: JIFFYRTU12X16OZ & JIFFYRTU4X1

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Institutional Detergent

Uses Advised Against: No information available.

Supplier's Details

Manufactured for:
Clark Core Services, LLC
2205 Old Philadelphia Pike
Lancaster, PA 17602
1-888-256-6400

Emergency Telephone Number

Emergency Telephone Number: CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2: Hazards Identification

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910, 1200).

Skin Corrosion / Irritation	Category 1 Subcategory 1B
Serious Eye Damage / Eye Irritation	Category 1

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GHS Label Elements, Including Precautionary Statements

Emergency Overview:

Signal Word: Danger

Hazard Statements: Causes severe skin burns and eye damage.



Appearance: Red, thin liquid

Physical State: Liquid

Odor: No information available.

Precautionary Statements:

Prevention:

- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash face, hands, and any exposed skin thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice:

- Immediately call a POISON CENTER or doctor/physician.

Eyes:

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.

Skin:

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

Inhalation:

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion:

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Storage:

- Store locked up.

Disposal:

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

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Hazard not Otherwise Classified (HNOC)

Not applicable.

Other Information:

No information available.

3: Composition/Information on Ingredients

Synonyms:

147ARCTICRPT & 147ARCTICRT1G

Chemical Name	CAS-No	Weight %	Trade Secret
Phosphoric Acid	7664-38-2	1–5	*

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

4: First Aid Measures

Description of Necessary First-Aid Measures

Eye Contact:
the

Rinse immediately with plenty of water, including under eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact:

Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion:

Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None

Specific Hazards Arising from the Chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

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: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions: Dispose of contents/container to an approved waste disposal plant.

Methods and Materials for Containment and Cleaning Up

Methods for Containment: Stop leak if you can do it without risk.

Methods for Cleaning Up: Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

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7: Handling and Storage

Precautions for Safe Handling

Handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products:

Acids, chlorine-based bleaching agents, oxidizing agents, metals, alkalis.

8: Exposure Controls/Personal Protection

Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (Vacated) TWA: 1 mg/m ³ (Vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

Appropriate Engineering Controls

Engineering Measures: Showers, eyewash stations, and ventilation systems

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles.

Skin and Body Protection: Rubber gloves. Latex gloves.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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

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9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State: Liquid
Appearance: Red, thin liquid
Odor: No information available.
Odor Threshold: No information available.

Property	Values	Remarks / Method
pH	1.2	None Known
Melting Point/Range	No Data Available	None Known
Boiling Point/Boiling Range	>100°C / >212°F	None Known
Flash Point	No Data Available	None Known
Evaporation Rate	No Data Available	None Known
Flammability (Solid, Gas)	No Data Available	None Known
Flammability Limits in Air: Upper Flammability Limit Lower Flammability Limit	No Data Available No Data Available	-
Vapor Pressure	No Data Available	None Known
Vapor Density	No Data Available	None Known
Relative Density	No Data Available	None Known
Specific Gravity	1.27	None Known
Water Solubility	100%	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	5 cps	None Known
Flammable Properties	Not Flammable	-
Explosive Properties	No Data Available	-
Oxidizing Properties	No Data Available	-

Other Information

VOC Content (%): 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.

Conditions to Avoid

Spills or careless handling. Incompatible products.

Incompatible Materials

Acids, chlorine-based bleaching agents, oxidizing agents, metals, alkalis.

Hazardous Decomposition Products

None, but may liberate hydrogen gas in the presence of metals.

11: Toxicological Information

Information Likely Routes of Exposure

Product Information:

Inhalation: May cause irritation of respiratory tract.

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns.

Ingestion: May be harmful if swallowed.

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

Symptoms: No information available.

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Delayed and Immediate Effects and Also Chronic Effects From Short and Long Term Exposure

Sensitization:	No information available.
Mutagenic Effects:	No information available.
Carcinogenicity:	Contains no ingredient listed as a carcinogen.
Reproductive Toxicity:	No information available.
STOT - Single Exposure:	No information available.
STOT - Repeated Exposure:	No information available.
Aspiration Hazard:	No information available.

Numerical Measures of Toxicity - Product

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

LD50 Oral:	2700 mg/kg; Acute Toxicity Estimate
LD50 Dermal:	4817 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)
Phosphoric Acid	-	LC50: 3–3.5 mg/L Gambusia affinis 96 h	-	EC50 12 h: = 4.6 mg/L (Daphnia magna)

Persistence and Degradability:	No information available.
Bioaccumulative:	No information available.

Other Adverse Effects

No information available.

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13: Disposal Considerations

Waste Disposal Methods: Dispose of in accordance with federal, state, and local regulations.

Contaminated Packaging: Do not re-use empty containers.

Chemical Name	California Hazardous Waste
Phosphoric Acid	Corrosive

14: Transport Information

DOT

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
Reportable Quantity (RQ): Phosphoric Acid: RQ kg = 4864.46
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II, RQ
Emergency Response Guide Number: 154

TDG

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II

ICAO

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
Description: UN1760, Corrosive Liquid, n.o.s., 8, II

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IATA

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
ERG Code: 8L
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II

IMDG/IMO

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
EmS No.: F-A, S-B
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
Classification Code: C9
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II

ADR

UN-Number: UN1760
Proper Shipping Name: Corrosive Liquid, n.o.s.
Hazard Class: 8
Packing Group: II
Classification Code: C9
Tunnel Restriction Code: (E)
Description: UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II (E)
ADR/RID Labels: 8

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Proper Shipping Name:	Corrosive Liquid, n.o.s.
Hazard Class:	8
Packing Group:	II
Classification Code:	C9
Special Provisions:	274
Description:	UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, II
Limited Quantity:	1 L

15: Regulatory Information

International Inventories

TSCA:	Complies
DSL:	Complies
IECSC:	Complies
KECL:	Complies
PICCS:	Complies
AICS:	Complies

Legend

TSCA:	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL:	Canadian Domestic Substances List/Non-Domestic Substances List
IECSC:	China Inventory or Existing Chemical Substances
KECL:	Korean Existing and Evaluated Chemical Substances
PICCS:	Phillippines Inventory of Chemicals and Chemical Substances
AICS:	Australian Inventory of Chemical Substances

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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:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid	5000 lb.	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Phosphoric Acid	5000 lb.	-	RQ 5000 lb. final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

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U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right-to-know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Phosphoric Acid	X	X	X	-	X

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable.

16: Other Information

NFPA

Health Hazard: 3
Flammability: 0
Instability: 0
Physical and Chemical Hazards: -

HMIS

Health Hazard: 3
Flammability: 0
Physical Hazard: 0
Personal Protection: X

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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.