



Safety Data Sheet

Issue date 19-May-2014

Version 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name SANTA ICE CRYSTALS
Chemical name 7-4676-2

Other means of identification

Product code FG 499-0542-3
Synonyms Artificial Ice Crystals

Recommended use of the chemical and restrictions on use

Recommended Use To decorate windows, mirrors or any glass surface.
Uses advised against Do not spray on varnished, painted or plastic surfaces.

Details of the supplier of the safety data sheet

Supplier Address	Manufacturer Address
Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121	Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

Acute toxicity - Oral	This is an aerosol product, ingestion is unlikely to occur.
Acute toxicity - Dermal	Can cause irritation after prolonged contact with skin.
Acute toxicity - Inhalation (Dusts/Mists)	Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.
Skin corrosion/irritation	Can cause irritation after prolonged contact with skin.
Serious eye damage/eye irritation	Contact with eyes can cause irritation, burning, tearing, redness and blurred vision.
carcinogenicity	Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.
Reproductive Toxicity	Not known

Label Elements

EMERGENCY OVERVIEW

appearance Hazy, pale yellow liquid.**Physical State** Aerosol**Odor** Strong solvent odor.**Precautionary Statements - Prevention**

Do not breathe dust, fumes, mist, vapors or spray.

Use in a well-ventilated area only .

Do not get in eyes, on skin, or on clothing

Do not spray near flame or while smoking.

Precautionary Statements - Response

Specific measures. See First Aid Measures on this SDS.

Avoid getting spray into eyes. Keep out of reach of children.

Precautionary Statements - Storage

Prevent this container from coming in contact with water for a prolonged period of time. Always keep container in a cool, dry place .

Do not store at temperatures above 122 F (50 C).

Precautionary Statements - Disposal

Recycle empty can where available or discard in the trash.

Pressurized container: Do not pierce or burn, even after use

Hazards not otherwise classified (HNOC)**OTHER INFORMATION**

No information available

3. Composition/information on Ingredients**Synonyms**

Artificial Ice Crystals.

Chemical Family

MIXTURES.

Formula

7-4676-2

Chemical nature

Aqueous solution of ethanol and other ingredients.

Chemical name	CAS No	weight-%	Trade secret
Ethyl alcohol	64-17-5	35-40	*
Urea	57-13-6	25-30	*
Water	7732-18-5	25-30	*
N-Butane	106-97-8	1-5	*
Propane	74-98-6	1-5	*
Methyl Amyl Alcohol	108-11-2	1-5	*

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

4. First aid measures**FIRST AID MEASURES****Eye Contact**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin contact

Wash with soap and water. If irritation develops, consult a physician .

inhalation

If overcome by vapor, move person to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

INGESTION

Ingestion from an aerosol product is unlikely to occur. In case of accidental ingestion, do not induce vomiting unless directed by a physician. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms	Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	None needed.
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5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Use water spray or fog; do not use straight streams.

Specific hazards arising from the chemical

Containers are under pressure. Temperatures above 120 F may cause cans to burst.

Hazardous combustion products Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, nitrogen oxides and ammonia.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters

Use personal protective equipment as required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.
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OTHER INFORMATION	Keep out of reach of children.
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Environmental Precautions

Environmental Precautions	See Section 12 for additional Ecological Information.
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Methods and material for containment and cleaning up

Methods for Containment	Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.
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Methods for cleaning up	Clean contaminated surface thoroughly.
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7. Handling and Storage

Precautions for safe handling

Advice on safe handling	Avoid getting spray into eyes. Keep out of reach of children.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. AEROSOL STORAGE LEVEL I (NFPA-30B) .
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Incompatible Materials

Avoid heat, open flame and contact with strong oxidizers.

8. Exposure Controls/Personal Protection**Control parameters****Exposure guidelines**

See occupational exposure limits listed below.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³	TWA: 800 ppm TWA: 1900 mg/m ³
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³
Methyl Amyl Alcohol 108-11-2	STEL: 40 ppm TWA: 25 ppm S*	TWA: 25 ppm TWA: 100 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 100 mg/m ³ (vacated) STEL: 40 ppm (vacated) STEL: 165 mg/m ³ (vacated) S* S*	IDLH: 400 ppm TWA: 25 ppm TWA: 100 mg/m ³ STEL: 40 ppm STEL: 165 mg/m ³

Appropriate engineering controls**Engineering controls**

Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

Conventional eyeglasses to guard against splashing.

Skin and Body Protection

Household type gloves, if desired.

Respiratory protection

Use in well-ventilated area ONLY. When using indoors, keep windows and doors open until fumes dissipate.

General hygiene considerations

Wash hands thoroughly after handling.

9. Physical and Chemical Properties**Information on basic physical and chemical properties****Physical State
appearance
color**Aerosol
Hazy, pale yellow liquid.
Pale yellow**Odor**

Strong solvent odor.

Property**Values****Remarks • Method****pH**

11.05 +/- 0.3

Melting point/freezing point

NA

Boiling point/boiling range

173 F/78.33 C - Ethyl alcohol

Flash Point

Not Available. This is an aerosol product for which Flame Projection is 18 inches, without flashback. Temperatures above 120 F may cause cans to burst.

Evaporation Rate

Faster than butyl acetate

flammability (solid, gas)

Flammability Limits in Air

Upper flammability limits	Not available
Lower Flammability Limit	Not available
vapor pressure	Not available
Specific gravity	0.997 +/- 0.02 concentrate
Water solubility	completely soluble

OTHER INFORMATION

VOC content (%)	44.35%
density	
Bulk Density	8.31 Lb/gal

10. Stability and Reactivity

Reactivity

Not applicable no data available

Chemical stability

Stable.

Possibility of hazardous reactions

Temperatures above 120 F may cause cans to burst with force.

hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures above 120 F.

Incompatible Materials

Avoid heat, open flame and contact with strong oxidizers.

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information

Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

inhalation See data below.

Eye Contact no data available.

Skin contact no data available.

INGESTION This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	-	-	= 124.7 mg/L (Rat) 4 h
Urea 57-13-6	= 8471 mg/kg (Rat)	-	-
N-Butane 106-97-8	-	-	= 658 g/m ³ (Rat) 4 h
Propane 74-98-6	-	-	= 658 mg/L (Rat) 4 h

Methyl Amyl Alcohol 108-11-2	= 1850 mg/kg (Rat)	= 2870 mg/kg (Rabbit)	> 16 mg/L (Rat) 4 h
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Information on toxicological effects

Symptoms See information above.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available.
Germ Cell Mutagenicity No information available.
carcinogenicity Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.

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 Information

Unknown acute toxicity No information available
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (inhalation-gas) 10000000
ATEmix (inhalation-vapor) 16447.4 mg/l

12. Ecological Information

ecotoxicity

8% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Ethyl alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static
Urea 57-13-6		16200 - 18300: 96 h Poecilia reticulata mg/L LC50		3910: 48 h Daphnia magna mg/L EC50 Static 10000: 24 h Daphnia magna Straus mg/L EC50
Methyl Amyl Alcohol 108-11-2		360: 24 h Carassius auratus mg/L LC50		

Persistence and degradability

No information available.

Bioaccumulation

See information below.

Chemical name	Partition coefficient
Ethyl alcohol 64-17-5	-0.32
Urea 57-13-6	-1.59
N-Butane 106-97-8	2.89
Propane 74-98-6	2.3

Methyl Amyl Alcohol 108-11-2	1.43
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Other adverse effects

Ozone

No information available

This product does not contain CFCs or other ozone depleting substances. Federal regulations prohibit the use CFC propellants in aerosols.

13. Disposal Considerations

Waste treatment methods

Disposal of wastes

Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Contaminated packaging

Pressurized container: Do not pierce or burn, even after use.

Chemical name	California Hazardous Waste Status
Ethyl alcohol 64-17-5	Toxic Ignitable

14. Transport Information

DOT

UN/ID no

Proper Shipping Name

Hazard Class

Limited quantity (LQ)

UN1950

Decorative spray

2.1

15. Regulatory information

International Inventories

TSCA

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL

All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

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

CWA (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

US 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
Ethyl alcohol 64-17-5	X	X	X
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X
Methyl Amyl Alcohol 108-11-2	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

NFPA	Health Hazards 1	Flammability 3	Instability 1	Physical and chemical properties Not applicable
HMIS	Health Hazards 1	Flammability 3	Physical Hazards 1	Personal Protection B - Eyes and hands protection

Prepared by Regulatory Department
 Issue date 19-May-2014
 Revision note
 This SDS supersedes a previous MSDS dated August 02, 2012
Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet