

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name	:	MMCD Room Freshener Snow Drop
Recommended use	:	Air Freshener
Restrictions on use	:	Use only as directed on label
Manufacturer, importer, supplier	:	Caldrea 1525 Howe Street Racine WI 53403-2236

Telephone	:	+1-800-558-5252
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Emergency telephone number	:	24 Hour Medical Emergency Phone: (866)231-5406 24 Hour Transport Emergency Phone: (800)424-9300
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Flammable liquids	Category 3	Flammable liquid and vapour.

Labelling

Hazard symbols

Flame

Signal word

Warning

Hazard statements

Flammable liquid and vapour.

Precautionary statements

In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand to extinguish.

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

Store in a well-ventilated place. Keep cool.

Dispose of contents/ container to an approved incineration plant.

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.

Other hazards	:	None identified
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Ethyl alcohol	64-17-5	10.00 - 30.00
Isotridecanol, ethoxylated	69011-36-5	1.00 - 5.00
Fragrance - Trade Secret	Mixture	1.00 - 5.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.caldrea.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact	:	No special requirements
Skin contact	:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Inhalation	:	No special requirements.
Ingestion	:	No special requirements

Most important symptoms and effects, both acute and delayed

Eyes	:	No adverse effects expected when used as directed.
Skin effect	:	No adverse effects expected when used as directed. May cause skin irritation.
Inhalation	:	No adverse effects expected when used as directed.
Ingestion	:	No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during firefighting	:	Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire.
Further information	:	Although this product has a flash point below 200 Deg F, it is an aqueous solution containing an alcohol and does not sustain combustion. Cool and use caution when approaching or handling fire-exposed containers. Fight fire with normal precautions from a reasonable distance. For large quantities of flammable liquids, consider containment to prevent the spread of fire. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	:	Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.
Environmental precautions	:	Outside of normal use, avoid release to the environment.

Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material. Use only non-sparking equipment. Dike large spills. Clean residue from spill site.
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7. HANDLING AND STORAGE

Handling

Precautions for safe handling	:	Avoid contact with skin, eyes and clothing. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS.
Advice on protection against fire and explosion	:	Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Use only non-sparking tools. Use explosion-proof equipment. Ground/bond container and receiving equipment.

Storage

Requirements for storage areas and containers	:	Keep container closed when not in use. Keep tightly closed. Store in a well-ventilated place. Keep cool.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m ³	ppm	Non-standard units	Basis
Ethyl alcohol	64-17-5	1,900 mg/m ³	1,000 ppm	-	OSHA TWA
Ethyl alcohol	64-17-5	-	1,000 ppm	-	ACGIH STEL

Personal protective equipment

Respiratory protection	:	No special requirements.
Hand protection	:	No special requirements.
Eye protection	:	Safety glasses with side-shields

Skin and body protection	:	No special requirements.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	liquid
Color	:	Colorless
Odour	:	floral

Odour Threshold	:	Test not applicable for this product type
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pH	:	6.8 - 7.0
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Melting point/freezing point	:	0 °C
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Initial boiling point and boiling range	:	Test not applicable for this product type
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Flash point	:	34 °C 93.2 °F
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Evaporation rate	:	Test not applicable for this product type
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Flammability (solid, gas)	:	Does not sustain combustion.
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Upper/lower flammability or explosive limits	:	Test not applicable for this product type
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Vapour pressure	:	Test not applicable for this product type
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Vapour density	:	Test not applicable for this product type
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Relative density	:	1 g/cm ³ at 25 °C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Test not applicable for this product type
Viscosity, dynamic	:	similar to water
Viscosity, kinematic	:	Test not applicable for this product type
Oxidizing properties	:	Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	:	16.3 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations>
Other information	:	None identified
	:	Test not applicable for this product type

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under recommended storage conditions.
Possibility of hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents Do not mix with bleach or any other household cleaners. Strong bases
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 > 5000 mg/kg
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Acute inhalation toxicity	:	LC50 > 10 mg/L
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Acute dermal toxicity	:	LD50 > 5000 mg/kg
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GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-

Skin sensitisation	No classification proposed	-
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Respiratory sensitisation	No classification proposed	-
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Germ cell mutagenicity	No classification proposed	-
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Carcinogenicity	No classification proposed	-
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Reproductive toxicity	No classification proposed	-
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Specific target organ toxicity - single exposure	No classification proposed	-
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Specific target organ toxicity - repeated exposure	No classification proposed	-
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Aspiration hazard	No classification proposed	-
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Aggravated Medical Condition	:	None known.
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12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Ethyl alcohol	LC50	Fish	11,200 mg/l	96 h

Isotridecanol, ethoxylated	LC50	Cyprinus carpio (Carp)	> 1 - 10 mg/l	96 h

Fragrance - Trade Secret	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
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Ethyl alcohol	static test LC50	Ceriodaphnia dubia	5,012 mg/l	48 h
	NOEC	Daphnia magna	9.6 mg/l	9 d

Isotridecanol, ethoxylated	EC50	Daphnia magna (Water flea)	> 1 - 10 mg/l	48 h

Fragrance - Trade Secret	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
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Ethyl alcohol	Static EC50	Chlorella vulgaris (Fresh water algae)	275 mg/l	72 h
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Isotridecanol, ethoxylated	EC50	Desmodesmus subspicatus (green algae)	> 1 - 10 mg/l	72 h
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Fragrance - Trade Secret	No data available			
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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
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Ethyl alcohol	97 %	28 d	Readily biodegradable.
Isotridecanol, ethoxylated	82 %	28 d	
Fragrance - Trade Secret	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
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Ethyl alcohol	3.2 estimated	-0.35 Measured
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Isotridecanol, ethoxylated	No data available	No data available
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Fragrance - Trade Secret	No data available	No data available
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Mobility

Component	End point	Value
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Ethyl alcohol	No data available	
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Isotridecanol, ethoxylated	No data available	
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Fragrance - Trade Secret	No data available	
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PBT and vPvB assessment

Component	Results
Ethyl alcohol	Not fulfilling PBT and vPvB criteria
Isotridecanol, ethoxylated	Not fulfilling PBT and vPvB criteria
Fragrance - Trade Secret	Not fulfilling PBT and vPvB criteria

Other adverse effects	:	None known.
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13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1170	1170	1170
UN proper shipping name	Ethanol Solution (Ethyl Alcohol)	Ethanol Solution (Ethyl Alcohol)	Ethanol Solution (Ethyl Alcohol)
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

Notification status	:	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
California Prop. 65	:	This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	0
Flammability	3
Reactivity	0

NFPA Ratings

Health	0
Fire	3
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	Global Safety Assessment & Regulatory Affairs (GSARA)
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