

CHRISTMAS BLIZZARD

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/05/2017

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Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : CHRISTMAS BLIZZARD
CAS No : N/A
:

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

1.4. Emergency telephone number

Emergency number : Chemtrec - USA: 800-424-9300 - International: 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids Category 4	Combustible liquid
Serious eye damage/eye irritation Category 2	Causes serious eye irritation
Skin sensitization, Category 1	May cause an allergic skin reaction

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : Combustible liquid
May cause an allergic skin reaction
Causes serious eye irritation

Precautionary statements (GHS-US) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash hands, forearms and face thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection
If on skin: Wash with plenty of water/...
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Specific treatment (see ... on this label)
If skin irritation or rash occurs: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Wash contaminated clothing before reuse
In case of fire: Use media other than water to extinguish
Store in a well-ventilated place. Keep cool
Dispose of contents/container to ...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
ISO BORNYL ACETATE	(CAS No) 125-12-2	25 - 50	Flam. Liq. 4, H227 Eye Irrit. 2, H319
TERPINEOL P.G.	(CAS No) 8000-41-7	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319
FIR NEEDLE SIBERIAN OIL	(CAS No) 8021-29-2	1 - 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
LYRAL SG	(CAS No) 31906-04-4	1 - 5	Skin Sens. 1B, H317
CEDARWOOD TEXAS WHITE OIL	(CAS No) 68990-83-0	1 - 5	Skin Sens. 1, H317 Asp. Tox. 1, H304
ORANGE TERPENES	(CAS No) 5989-27-5	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
METHYL OCTINE CARBONATE	(CAS No) 111-80-8	0.1 - 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
- Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

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6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ISO BORNYL ACETATE (125-12-2)

Not applicable

LYRAL SG (31906-04-4)

Not applicable

METHYL OCTINE CARBONATE (111-80-8)

Not applicable

TERPINEOL P.G. (8000-41-7)

Not applicable

CEDARWOOD TEXAS WHITE OIL (68990-83-0)

Not applicable

FIR NEEDLE SIBERIAN OIL (8021-29-2)

Not applicable

ORANGE TERPENES (5989-27-5)

Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

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Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: COLORLESS TO PALE YELLOW
Odor	: CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 78 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.993 (0.983 - 1.003)
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

Refractive index	: 1.488 (1.478 - 1.498)
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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ISO BORNYL ACETATE (125-12-2)	
LD50 oral rat	> 10000 mg/kg (Rat)
LD50 dermal rabbit	> 20000 mg/kg (Rabbit)

METHYL OCTINE CARBONATE (111-80-8)	
ATE US (oral)	1600 mg/kg body weight
ATE US (dermal)	4500 mg/kg body weight

TERPINEOL P.G. (8000-41-7)	
ATE US (oral)	4300 mg/kg body weight

ORANGE TERPENES (5989-27-5)	
LD50 oral rat	4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
ATE US (oral)	4400 mg/kg body weight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

ORANGE TERPENES (5989-27-5)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified

Specific target organ toxicity – repeated exposure	: Not classified
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Aspiration hazard	: Not classified
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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ISO BORNYL ACETATE (125-12-2)	
LC50 fish 1	10 - 18 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio)

ORANGE TERPENES (5989-27-5)	
LC50 fish 1	720 µg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	0.36 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	150 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)

12.2. Persistence and degradability

ISO BORNYL ACETATE (125-12-2)	
Persistence and degradability	Biodegradable in water. Photolysis in the air.

ORANGE TERPENES (5989-27-5)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.

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ORANGE TERPENES (5989-27-5)

ThOD	3.29 g O ₂ /g substance
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12.3. Bioaccumulative potential

ISO BORNYL ACETATE (125-12-2)

Log Pow	3.5 (QSAR)
Bioaccumulative potential	No bioaccumulation data available.

ORANGE TERPENES (5989-27-5)

BCF fish 1	864.8 - 1022 (BCF; Pisces)
Log Pow	4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

12.4. Mobility in soil

ORANGE TERPENES (5989-27-5)

Log Koc	Koc, SRC PCKOCWIN v2.0; 1120 - 6324; QSAR
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12.5. Other adverse effects

Effect on the global warming	: No known effects from this product.
GWPmix comment	: No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not applicable

TDG

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

ISO BORNYL ACETATE (125-12-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LYRAL SG (31906-04-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

METHYL OCTINE CARBONATE (111-80-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

TERPINEOL P.G. (8000-41-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CEDARWOOD TEXAS WHITE OIL (68990-83-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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FIR NEEDLE SIBERIAN OIL (8021-29-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ORANGE TERPENES (5989-27-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

ISO BORNYL ACETATE (125-12-2)

Listed on the Canadian DSL (Domestic Substances List)

LYRAL SG (31906-04-4)

Listed on the Canadian DSL (Domestic Substances List)

METHYL OCTINE CARBONATE (111-80-8)

Listed on the Canadian DSL (Domestic Substances List)

TERPINEOL P.G. (8000-41-7)

Listed on the Canadian DSL (Domestic Substances List)

CEDARWOOD TEXAS WHITE OIL (68990-83-0)

Listed on the Canadian DSL (Domestic Substances List)

FIR NEEDLE SIBERIAN OIL (8021-29-2)

Listed on the Canadian DSL (Domestic Substances List)

ORANGE TERPENES (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Total Fractional Values

TFV Risk

- 27.3 Sensitization, Skin , Category 1
- 0.57 Skin Corrosion/Irritation, Category 2
- 4.28 Eye Irritation, Category 2

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product