

SAFETY DATA SHEET

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier 64310, 64410 Trapp Reed Diffuser #10 Lemongrass Verbena

Product name

1.2 Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Recommended use Home Fragrance Reed Diffuser

Uses advised against No information available

1.3 Details Of The Supplier Of The Safety Data Sheet

Trapp Fragrances
1025 W. 8th Street
Kansas City MO 64101
1-800-670-4212

For Further Information, Please Contact:

E-mail address www.trappfragrances.com

1.4 Emergency Telephone Number

CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)


Skin sensitization	Category 1
Flammable liquids	Category 4

GHS Label elements, including precautionary statements

Emergency Overview

Warning

Hazard Statements
May cause an allergic skin reaction
Combustible liquid



Appearance Clear approximately colorless **Physical State @20°C** Liquid **Odor** Characteristic

Precautionary Statements - Prevention

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

- Specific treatment (see .? on this label)
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

- Causes mild skin irritation
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life
- Unknown Acute Toxicity

94.9189% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	CAS-No	Weight %	Classification (Reg. 1272/2008)	FEMA Numbers
Citral	5392-40-5	1-<5%	Acute Tox. 5 (H313) Eye Irrit. 2A (H319) Aquatic Acute 2 (H401) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	2303
D-Limonene	5989-27-5	0.1-1%	Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	2633
2,6-Octadienal, 3,7-dimethyl-, reaction products with ethyl alcohol	147060-73-9	0.1-1%	Aquatic Acute 3 (H402) Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	-
Geraniol	106-24-1	0.1-1%	Acute Tox. 5 (H303) Eye Irrit. 1 (H318) Aquatic Acute 2 (H401) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	2507

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice

If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation

Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion

Do not induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of first-aiders

Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion Data

Sensitivity to Mechanical Impact

none.

Sensitivity to Static Discharge

Yes.

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. Avoid contact with the skin and the eyes. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Do not breathe vapors or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Advice on safe handling

Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep container tightly closed. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Technical measures/Storage conditions

Incompatible products

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	-

Exposure controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting safety goggles.

Skin and body protection

Chemical resistant apron.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Physical State @20°C

Liquid

Appearance

Clear approximately colorless

Odor

Characteristic

Odor Threshold

No information available

pH

No information available

Melting point/range

No information available

Freezing Point

No information available

Initial Boiling Point

No information available

Boiling point/boiling range

410 °F / 210 °C

Flash point

174 °F / 79 °C

Evaporation Rate VALUE

No information available

Flammable Properties

Combustible liquid

Flammability Limits in Air

No information available

Explosive properties

No information available

Oxidizing Properties

No information available

Vapor Pressure @20°C (kPa)

No information available

Vapor Density

No information available

Specific Gravity

0.9730

Water Solubility

Insoluble in water

solubility

No information available

Partition coefficient:

No information available

Autoignition temperature

No information available

Decomposition Temperature °C

No information available

Viscosity, dynamic

No information available

Molecular Weight

No information available

VOC Content

No information available

10. STABILITY AND REACTIVITY

Reactivity

Exothermic reaction

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known information

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Citral 5392-40-5	4950 mg/kg	2250 mg/kg	-
D-Limonene 5989-27-5	4400 mg/kg (Rat) 5300 mg/kg (Rat)	5 g/kg (Rabbit)	-
Geraniol 106-24-1	4200 mg/kg	5 g/kg (Rabbit)	-

Information on toxicological effects**Symptoms**

No information available.

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

No information available.

mutagenic effects

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
D-Limonene 5989-27-5	-	Group 2A Group 3	-	X

IARC: (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA: (Occupational Safety & Health Administration)

X - Present

Reproductive Toxicity

No information available.

Specific target organ systemic toxicity (single exposure)

No information available.

Specific target organ systemic toxicity (repeated exposure)

No information available.

Chronic toxicity

Repeated contact may cause allergic reactions in very susceptible persons. Avoid repeated exposure.

Aspiration hazard

No information available.

Numerical measures of toxicity - Product Information**Unknown Acute Toxicity**

94.9189% of the mixture consists of ingredient(s) of unknown toxicity

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

ATEmix (oral)

13813 mg/kg

ATEmix (dermal)

6279 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

95.4727% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Citral 5392-40-5	EC50: 19 mg/L 96h (Desmodesmus subspicatus) EC50: 16 mg/L 72h (Desmodesmus subspicatus)	LC50: 4.6 - 10 mg/L 96h static (Leuciscus idus)	EC50: 7 mg/L 48h (Daphnia magna)
D-Limonene 5989-27-5	-	LC50: 35 mg/L 96h (Oncorhynchus mykiss) LC50: 0.619 - 0.796 mg/L 96h flow-through (Pimephales promelas)	-

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	log Pow
Citral 5392-40-5	2.76

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment****Waste Disposal Methods**

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

Contaminated packaging

Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
D-Limonene 5989-27-5	Toxic

14. TRANSPORT INFORMATION

DOT
BULK PACKAGING
NA Number 1993
Proper shipping name Combustible liquid, n.o.s., (d-Limonene)
Hazard Classification 3
Packing Group III

DOT
NON BULK PACKAGING
NA Number 1993
Proper shipping name Combustible liquid, n.o.s., (d-Limonene)
Hazard Classification 3
Packing Group III

IMDG/IMO Not regulated

ICAO/IATA Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS -
ENCS Not determined
IECSC Complies
KECL Not determined
PICCS Complies
AICS Not determined

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 Commercial Chemical Substances/EU 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
- AICS** - Australian Inventory of Chemical Substances

U.S. 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

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.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health Hazard 2	Flammability 2	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2	Flammability 2	Physical Hazard 0	Personal protection X

Revision Date: 18-Aug-2015

Revision Note

No information available

Disclaimer

The information provided in this 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