



Chemical name	Common name and synonyms	CAS number	%
BENZYL BENZOATE		120-51-4	3 - 7
CYCLOHEXANOL, 2-(1,1-DIMETHYLETHYL)-, 1-ACETATE, (1R,2R)-REL-		20298-69-5	1 - 5
CYCLOPENTANEACETIC ACID, 3-OXO-2-PENTYL-, METHYL ESTER		24851-98-7	1 - 5
ORANGE OIL		8008-57-9	1 - 5
2,4-DIMETHYL CYCLOHEXA-3-ENE-1-CARBALDE HYDE		68039-49-6	0.5 - 1.5
BENZENEPROPANAL, 4-(1,1-DIMETHYLETHYL)-.ALPHA.- METHYL-		80-54-6	0.5 - 1.5
GERANIOL		106-24-1	0.5 - 1.5
HEPTANOIC ACID, 2-PROPENYL ESTER		142-19-8	0.5 - 1.5
Other components below reportable levels			60 - 100

**Composition comments** This product is a multi-component mixture of fragrance ingredients. The specific chemical identities of the ingredients not listed herein are considered to be trade secrets by the manufacturer and are withheld in accordance with the provisions of 29 CFR 1910.1200.

#### 4. First-aid measures

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Call a physician if symptoms develop or persist. Move to fresh air.
<b>Skin contact</b>	Wash with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep individual under observation.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Use water spray to cool unopened containers.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Provide adequate ventilation and avoid contact with skin and eyes. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained. Remove all sources of ignition.
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**Methods and materials for containment and cleaning up** Sweep up and shovel into suitable containers for disposal. Contain the spill, then place in a suitable container. Collect and dispose of spillage as indicated in section 13 of the SDS. For waste disposal, see section 13 of the SDS. Prevent product from entering drains.

**Environmental precautions** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. When using, do not eat, drink or smoke. Do not taste or swallow. Wear appropriate personal protective equipment. Avoid release to the environment.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed and dry. Store in a cool well ventilated area away from incompatible materials. Keep away from direct sunlight. Keep away from heat, sparks and open flame. Keep out of the reach of children. Metal containers must be lined.

## 8. Exposure controls/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** General ventilation normally adequate.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses or goggles if handling large quantities. Eye wash fountain is recommended.

#### Skin protection

**Hand protection** In case of prolonged or frequently repeated contact, wear appropriate gloves.

**Other** None necessary under normal conditions of use. Wear appropriate gloves if handling large quantities.

**Respiratory protection** Under normal conditions of use respiratory protection is not expected to be required.

**Thermal hazards** Not applicable.

**General hygiene considerations** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

**Physical state** Solid.

**Form** Solid gel

**Color** Not available.

**Odor** Characteristic.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** > 200.0 °F (> 93.3 °C)

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** 0.01 - 0.09 mm Hg

**Vapor density** Not available.

Relative density	0.9 - 0.98 g/cm <sup>3</sup>
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 626 °F (> 330 °C)
Decomposition temperature	> 572 °F (> 300 °C)
Viscosity	Not available.
Other information	
Flammability class	Combustible IIIB estimated

## 10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures above 210 °C. Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon dioxide, carbon monoxide, and unburned hydrocarbons.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Health injuries are not known or expected under normal use.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Not applicable under normal conditions of use. May cause gastrointestinal irritation if ingested.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity** May cause an allergic skin reaction.

Product	Species	Test Results
Sunscape Refill Cartridge		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	33883 mg/kg estimated
	Rat	91533 mg/kg estimated
<b>Inhalation</b>		
LC50	Rat	4957 mg/l/4h estimated 262 mg/l, 4 hours estimated
<b>Oral</b>		
LD50	Rat	14518 mg/kg estimated
<b>Components</b>		
<b>Species</b>		
<b>Test Results</b>		
BENZYL BENZOATE (CAS 120-51-4)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg

Components	Species	Test Results
CYCLOHEXANOL, 2-(1,1-DIMETHYLETHYL)-, 1-ACETATE, (1R,2R)-REL- (CAS 20298-69-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Oral</b>		
LD50	Rat	4600 mg/kg
CYCLOPENTANEACETIC ACID, 3-OXO-2-PENTYL-, METHYL ESTER (CAS 24851-98-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg, 24 hours
<b>Inhalation</b>		
LC50	Rat	> 4.93 mg/l, 4 hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
GERANIOL (CAS 106-24-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Oral</b>		
LD50	Rat	3600 mg/kg
HEPTANOIC ACID, 2-PROPENYL ESTER (CAS 142-19-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	810 mg/kg
<b>Oral</b>		
LD50	Rat	218 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	
Not listed.	
<b>Reproductive toxicity</b>	Not classified.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not applicable.
<b>Chronic effects</b>	Not hazardous under normal conditions of use.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
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Product	Species	Test Results	
Sunscape Refill Cartridge			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	1426.6666 mg/L, 48 Hours estimated
<i>Acute</i>			
Fish	LC50	Fish	4.4547 mg/l, 96 hours estimated
<b>Components</b>			
<b>Species</b>			
<b>Test Results</b>			
BENZENEPROPANAL, 4-(1,1-DIMETHYLETHYL)-.ALPHA.-METHYL- (CAS 80-54-6)			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	10.7 mg/L, 48 Hours
BENZYL BENZOATE (CAS 120-51-4)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fish	0.29 mg/l, 96 hours
CYCLOHEXANOL, 2-(1,1-DIMETHYLETHYL)-, 1-ACETATE, (1R,2R)-REL- (CAS 20298-69-5)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fish	5.6 mg/l, 96 hours
CYCLOPENTANEACETIC ACID, 3-OXO-2-PENTYL-, METHYL ESTER (CAS 24851-98-7)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fish	19 mg/l, 96 hours
GERANIOL (CAS 106-24-1)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fish	22 mg/l, 96 hours
HEPTANOIC ACID, 2-PROPENYL ESTER (CAS 142-19-8)			
<b>Aquatic</b>			
<i>Acute</i>			
Fish	LC50	Fish	0.117 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Partition coefficient n-octanol / water (log Kow)**

BENZYL BENZOATE 3.97

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** This product, if discarded, is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. If processing, use, or contamination alters the material, the waste must be tested using methods described in 40 CFR 261 to determine if it meets applicable definitions of hazardous wastes.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

### SARA 304 Emergency release notification

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

### US state regulations

#### US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

#### US. Massachusetts RTK - Substance List

Not regulated.

#### US. New Jersey Worker and Community Right-to-Know Act

Not listed.

#### US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

<b>Issue date</b>	March-12-2015
<b>Revision date</b>	March-21-2015
<b>Version #</b>	02
<b>HMIS® ratings</b>	Health: 2 Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 2 Flammability: 1 Instability: 0

### Disclaimer

This SDS is intended to quickly provide useful information to the user(s) of this material or product. It is not intended to serve as a comprehensive discussion of all possible risks or hazards, and it assumes a reasonable use of the product. The information contained in this SDS is believed to be accurate as of the date of preparation of this SDS and has been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. The user or handler (or their employer) should consider the specific conditions in which this material will be used, handled, or stored and determine what specific safety or other precautions are required. Employers should ensure that their employees, agents, contractors, and customers who will use the product receive adequate warnings and safe handling procedures, including a current SDS. Product users or handlers (or their employer) who are unsure of what specific precautions are required should consult their employer, product supplier, or safety or health professionals before handling or working with this product. Please notify us immediately if you believe this SDS or other safety and health information about this product is inaccurate or incomplete.