

# Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: October 25, 2018

Revision: October 25, 2018

## 1 Identification

· **Product identifier**

- Trade name: **Indigo Ice**
- Product code: FR9217

· **Recommended use and restriction on use**

- Recommended use: Fragrance
- Restrictions on use: No relevant information available.

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**

FRSH SCENTS LIMITED  
 RM603, 6/F HANG PONT, COMMERCIAL BUILDING  
 31 TONKIN STREET, CHEUNG SHA WAN, KL  
 HONG KONG  
 TEL +86-769-882 88882

· **Emergency telephone number:**

ChemTel Inc.  
 (800)255-3924 (North America)  
 +1 (813)248-0585 (International)

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

- Flam. Liq. 4 H227 Combustible liquid.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2A H319 Causes serious eye irritation.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Repr. 1A H360 May damage fertility or the unborn child.
- Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

· **Label elements**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07 GHS08

· **Signal word:** Danger

· **Hazard statements:** H227

- Combustible liquid. H315
- Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H360 May damage fertility or the unborn child.
- H304 May be fatal if swallowed and enters airways.

· **Precautionary statements:**

- P201 Obtain special instructions before use.

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- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from flames and hot surfaces. – No smoking.
- P260 Do not breathe mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a poison center/doctor.
- P308+P311 IF exposed or concerned: Call a poison center/doctor. P362+P364 Take off contaminated clothing and wash it before reuse. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction. P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards** There are no other hazards not otherwise classified that have been identified.

## 3 Composition/information on ingredients

**Chemical characterization: Mixtures**

**Components:**

13429-07-7	dipropylene glycol methyl ether Flam. Liq. 4, H227	20-40%
18479-58-8	Dihydromyrcenol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319 Flam. Liq. 4, H227	10-20%
78-70-6	Linalool ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317 Flam. Liq. 4, H227	10-20%
115-95-7	Linalyl acetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317 Flam. Liq. 4, H227	10-20%
93-92-5	alpha-Methylbenzyl acetate Flam. Liq. 4, H227	1-10%
32210-23-4	4-tert-butylcyclohexyl acetate ⚠ Skin Sens. 1B, H317	1-10%
77-54-3	Cedryl acetate ⚠ Skin Sens. 1B, H317	1-10%
120-51-4	Benzyl benzoate ⚠ Acute Tox. 4, H302	1-10%
101-86-0	alpha-Hexylcinnamaldehyde ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	1-10%

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33704-61-9	6,7-Dihydro-1,1,2,3,3-pentamethyl-4(5H)-indanone ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317	1-5%
2705-87-5	Allyl cyclohexanepropionate ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317	1-5%
18127-01-0	p-tert-Butylidihydrocinnamaldehyde ⚠ Repr. 2, H361; STOT RE 2, H373 ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317 Flam. Liq. 4, H227	1-5%
106-22-9	dl-Citronellol ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	1-5%
103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317 Flam. Liq. 4, H227	0.1-1%
23696-85-7	1-(2,6,6-Trimethylcyclohexa-1,3-dienyl)-2-buten-1-one ⚠ Skin Sens. 1, H317	0.1-1%
68956-56-9	Hydrocarbons, terpene processing by-products ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317	0.1-1%
112-45-8	10-Undecenal ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1B, H317	0.1-1%
140-67-0	Estragole ⚠ Muta. 2, H341; Carc. 2, H351 ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 Flam. Liq. 4, H227	0.1-1%
93-89-0	ethyl benzoate Flam. Liq. 4, H227	0.1-1%
8000-48-4	Eucalyptus Oil ⚠ Flam. Liq. 3, H226 ⚠ Asp. Tox. 1, H304 ⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317	0.1-1%
4707-47-5	Methyl atrarate ⚠ Skin Sens. 1B, H317	0.1-1%
140-11-4	Benzyl acetate	0.1-1%
106-24-1	Geraniol ⚠ Eye Dam. 1, H318 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-1%
1205-17-0	alpha-methyl-1,3-benzodioxole-5-propionaldehyde ⚠ Skin Sens. 1B, H317	0.1-1%
120-57-0	Piperonal ⚠ Skin Sens. 1B, H317	0.1-1%
928-96-1	cis-3-Hexenol ⚠ Flam. Liq. 3, H226 ⚠ Eye Irrit. 2A, H319	0.1-1%
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	0.1-1%

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	<ul style="list-style-type: none"> <li>⚠ Flam. Sol. 2, H228</li> <li>⚠ STOT SE 2, H371</li> <li>⚠ Acute Tox. 4, H302; Acute Tox. 4, H332</li> </ul>	
107-75-5	Hydroxycitronellal <ul style="list-style-type: none"> <li>⚠ Eye Irrit. 2A, H319; Skin Sens. 1B, H317</li> </ul>	0.1-1%
97-54-1	Isoeugenol <ul style="list-style-type: none"> <li>⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317</li> </ul>	0.1-1%
5989-27-5	(R)-p-mentha-1,8-diene <ul style="list-style-type: none"> <li>⚠ Flam. Liq. 3, H226</li> <li>⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317</li> </ul>	0.1-1%
67634-00-8	allyl (3-methylbutoxy)acetate <ul style="list-style-type: none"> <li>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315</li> <li>Flam. Liq. 4, H227</li> </ul>	0.1-1%
123-68-2	allyl hexanoate <ul style="list-style-type: none"> <li>⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331</li> <li>Flam. Liq. 4, H227</li> </ul>	0.1-1%
80-54-6	p-t-Butyl-alpha-methylhydrocinnamic aldehyde <ul style="list-style-type: none"> <li>⚠ Repr. 1A, H360</li> <li>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317</li> <li>Flam. Liq. 4, H227</li> </ul>	0.1-1%
32388-55-9	Acetyl cedrene <ul style="list-style-type: none"> <li>⚠ Skin Sens. 1B, H317</li> </ul>	0.1-1%
81-14-1	musk ketone <ul style="list-style-type: none"> <li>⚠ Carc. 2, H351</li> </ul>	0.1-1%
106-25-2	Nerol <ul style="list-style-type: none"> <li>⚠ Eye Dam. 1, H318</li> <li>⚠ Skin Irrit. 2, H315; Skin Sens. 1B, H317</li> </ul>	0.1-1%
103-45-7	Phenethyl acetate <ul style="list-style-type: none"> <li>⚠ Eye Dam. 1, H318</li> </ul>	0.1-1%
16409-43-1	Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran <ul style="list-style-type: none"> <li>⚠ Repr. 2, H361</li> <li>⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319</li> <li>Flam. Liq. 4, H227</li> </ul>	0.1-1%
70955-71-4	Phenol, 2-methoxy-, reaction products with 2,2-dimethyl-3-methylenebicyclo[2.2.1]heptane, hydrogenated <ul style="list-style-type: none"> <li>⚠ Skin Sens. 1, H317</li> </ul>	0.1-1%
586-62-9	Terpinolene <ul style="list-style-type: none"> <li>⚠ Asp. Tox. 1, H304</li> <li>⚠ Skin Sens. 1, H317</li> <li>Flam. Liq. 4, H227</li> </ul>	0.1-1%

**Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.  
 For the wording of the listed Hazard Statements, refer to section 16.

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### 4 First-aid measures

**Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.  
Take affected persons out into the fresh air.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.  
If skin irritation or rash occurs: Get medical advice/attention.

**After eye contact:**

Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.  
A person vomiting while lying on their back should be turned onto their side.

**Most important symptoms and effects, both acute and delayed:**

Breathing difficulty  
Coughing  
Allergic reactions  
Causes eye irritation.

**Danger:**

Danger of impaired breathing.  
May be fatal if swallowed and enters airways.  
May damage fertility or the unborn child.  
Sensitizing effect by skin contact is possible with prolonged exposure.  
May damage fertility or the unborn child.

**Indication of any immediate medical attention and special treatment needed:**

If swallowed or in case of vomiting, danger of entering the lungs.  
Medical supervision for at least 48 hours.  
If necessary oxygen respiration treatment.  
Later observation for pneumonia and pulmonary edema.  
Treat skin and mucous membrane with antihistamine and corticoid preparations.  
Contains Tetramethyl acetyloctahydronaphthalenes, p-t-Butyl-alpha-methylhydrocinnamic aldehyde, Orange terpenes. May produce an allergic reaction.  
If medical advice is needed, have product container or label at hand.

### 5 Fire-fighting measures

**Extinguishing media****Suitable extinguishing agents:**

Foam  
Gaseous extinguishing agents  
Carbon dioxide  
Water fog / haze  
Fire-extinguishing powder

· **For safety reasons unsuitable extinguishing agents:** Water stream.

**Special hazards arising from the substance or mixture**

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Combustible liquid.  
Formation of toxic gases is possible during heating or in case of fire.

**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.  
Wear fully protective suit.

**· Additional information:**

Use large quantities of foam as it is partially destroyed by the product.  
Cool endangered containers with water fog.

### 6 Accidental release measures

**· Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

**· Environmental precautions**

Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.

**· Methods and material for containment and cleaning up**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).  
Send for recovery or disposal in suitable receptacles.

**· Reference to other sections**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

**· Handling****· Precautions for safe handling:**

Prevent formation of aerosols.  
Use only in well ventilated areas.  
Avoid splashes or spray in enclosed areas.

**· Information about protection against explosions and fires:**

Combustible liquid.  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Keep respiratory protective device available.

**· Conditions for safe storage, including any incompatibilities****· Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.

**· Information about storage in one common storage facility:**

Store away from foodstuffs.  
Store away from oxidizing agents.

**· Further information about storage conditions:** Keep containers tightly sealed.

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**8 Exposure controls/personal protection****Control parameters****Components with limit values that require monitoring at the workplace:****140-11-4 Benzyl acetate**

TLV (USA)	Long-term value: 61 mg/m <sup>3</sup> , 10 ppm
EL (Canada)	Long-term value: 10 ppm
EV (Canada)	Long-term value: 10 ppm
LMPE (Mexico)	Long-term value: 10 ppm A4

**128-37-0 Butylated hydroxytoluene**

REL (USA)	Long-term value: 10 mg/m <sup>3</sup>
TLV (USA) EL	Long-term value: 2* mg/m <sup>3</sup> *as inhalable fraction and vapor
(Canada) EV	Long-term value: 2 mg/m <sup>3</sup> vapour and inhalable aerosol
(Canada)	Long-term value: 2 mg/m <sup>3</sup> inhalable, vapour and aerosol
LMPE (Mexico)	Long-term value: 2 mg/m <sup>3</sup> A4, IFV

**76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one**

PEL (USA)	Long-term value: 2 mg/m <sup>3</sup>
REL (USA)	Long-term value: 2 mg/m <sup>3</sup>
TLV (USA)	Short-term value: 19 mg/m <sup>3</sup> , 3 ppm Long-term value: 12 mg/m <sup>3</sup> , 2 ppm
EL (Canada)	Short-term value: 3 ppm Long-term value: 2 ppm
EV (Canada)	Short-term value: 19 mg/m <sup>3</sup> , 3 ppm Long-term value: 12 mg/m <sup>3</sup> , 2 ppm
LMPE (Mexico)	Short-term value: 3 ppm Long-term value: 2 ppm A4

**121-33-5 Vanillin**

WEEL (USA)	Long-term value: 10 mg/m <sup>3</sup>
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**Exposure controls****General protective and hygienic measures:**

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.

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Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device when high concentrations are present.

For spills, respiratory protection may be advisable.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Nitrile rubber, NBR

Neoprene gloves

Natural rubber, NR

Butyl rubber, BR

· **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:**

Protective work clothing

Protection may be required for spills.

· **Limitation and supervision of exposure into the environment**

No relevant information available.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

· **Form:** Liquid

· **Color:** According to product specification

· **Odor:** Pleasant

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** 69.2 °C (156.6 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Oxidizing properties:</b>	Not determined.
· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	
<b>Relative density:</b>	0.82-0.84
<b>Vapor density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No relevant information available.

**10 Stability and reactivity**

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**  
Combustible liquid.  
Toxic fumes may be released if heated above the decomposition point.  
Reacts with strong oxidizing agents.
- **Conditions to avoid** No relevant information available.
- **Incompatible materials** Oxidizing agents
- **Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide  
Nitrogen oxides

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:**

Oral	LD50	>4,000 mg/kg (nsp)
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**68551-20-2 Alkanes, C13-16-iso-**

Oral LD50 &gt;10,000 mg/kg (rat)

**89-78-1 Menthol**

Oral LD50 3,180 mg/kg (rat)

**127-51-5 alpha-iso-Methylionone**

Oral LD50 &gt;5,000 mg/kg (rat)

**24851-98-7 Methyl dihydrojasmonate**

Oral LD50 &gt;2,000 mg/kg (rat)

Dermal LD50 &gt;5,000 mg/kg (rabbit)

**80-54-6 p-t-Butyl-alpha-methylhydrocinnamic aldehyde**

Oral LD50 1,390 mg/kg (rat)

**Primary irritant effect:**

- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

**IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

**OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**Probable route(s) of exposure:**

- Ingestion.
- Inhalation.
- Eye contact.
- Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** May damage fertility or the unborn child.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** May be fatal if swallowed and enters airways.

**12 Ecological information****Toxicity****Aquatic toxicity**

Toxic for aquatic organisms

**127-51-5 alpha-iso-Methylionone**

EC50 (static) 1.45 mg/l (daphnia)

- **Persistence and degradability:** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.

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· **Additional ecological information**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.  
 Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

· **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· **UN-Number**

· **DOT** Not regulated.  
 · **ADR, IMDG, IATA** UN3082

· **UN proper shipping name**

· **DOT** Not regulated.  
 · **ADR, IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Orange terpenes, Tetramethyl acetyloctahydronaphthalenes)

· **Transport hazard class(es)**

· **DOT**  
 · **Class** Not regulated.

· **ADR**



· **Class** 9 (M6)  
 · **Label** 9

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· **IMDG, IATA**



· **Class** 9  
 · **Label** 9

· **Packing group**  
 · **DOT** Not regulated.  
 · **ADR, IMDG, IATA** III

· **Environmental hazards** Product contains environmentally hazardous substances: Tetramethyl acetyloctahydronaphthalenes  
 · **Marine pollutant:** Symbol (fish and tree)

· **Special precautions for user** Warning: Miscellaneous dangerous substances and articles  
 · **Danger code (Kemler):** 90  
 · **EMS Number:** F-A,S-F

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:** Not regulated when carried in single or combination packaging containing a net quantity of 5 L or less for liquids or 5 kg or less for solids per the following:  
 ADR: SP 375  
 IMDG: 2.10.2.7  
 IATA: special provision A197

· **DOT**  
 · **Remarks:** Transport labeling is not required for non-bulk single package shipments by motor vehicle, rail car or aircraft. Bulk packaging consists of a maximum capacity of greater than 450L (119 gallons) for a liquid and a maximum net mass greater than 400kg (882 pounds) for a solid.

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **United States (USA)**  
 · **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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**Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**Proposition 65 (California)****Chemicals known to cause cancer:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**EPA (Environmental Protection Agency):**

84-66-2 Diethyl phthalate

D

**IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

**Canadian Domestic Substances List (DSL) (Substances not listed.):**

All ingredients are listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety &amp; Health Administration

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Liq. 4: Flammable liquids – Category 4

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

Repr. 1A: Reproductive toxicity – Category 1A

Repr. 2: Reproductive toxicity – Category 2

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STOT SE 2: Specific target organ toxicity (single exposure) – Category 2  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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