

# Safety Data Sheet

according to 1907/2006/EC, 1272/2008/EC, and 2015/830/EC

Revision: 22th March 2023



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- Trade name: Tropical
- **UFI Code:**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:** Fragrance
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
FRSH SCENTS LIMITED  
Unit 04-05, 16th Floor, The Broadway No. 54  
62 Lockhart Road, Wanchai, Hong Kong  
TEL+86 769 88288882
- **UK Importer:** JRP Distribution Ltd | PO20 2FT | Tel:+44 (0)1903 750355
- **EU Representative**  
  
Authorised Rep Compliance Ltd., Ground Floor, 71 Lower Baggot Street, Dublin, D02 P593, Ireland.
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Sens. 1      H317 May cause an allergic skin reaction.  
Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.

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- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  


  
GHS07 GHS09
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Allyl 3-cyclohexylpropionate  
Citral  
Coumarin  
Ethyl methylphenylglycidate  
Linalool
- **Hazard statements**  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**  
P261      Avoid breathing mist/vapours/spray.  
P280      Wear protective gloves / eye protection.

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P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Components:**

CAS: 120-51-4 EINECS: 204-402-9 Index number: 607-085-00-9 Reg.nr.: 01-2119976371-33-XXXX	Benzyl benzoate ⚠ Aquatic Chronic 2, H411 ⚠ Acute Tox. 4, H302	<10%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-XXXX	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	<10%
CAS: 2705-87-5 EINECS: 220-292-5 Reg.nr.: 01-2119976355-27-XXXX	Allyl 3-cyclohexylpropionate ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1B, H317	<5%
CAS: 121-33-5 EINECS: 204-465-2 Reg.nr.: 01-2119516040-60-XXXX	Vanillin ⚠ Eye Irrit. 2, H319	<2%
CAS: 142-19-8 EINECS: 205-527-1 Reg.nr.: 01-2119488961-23-XXXX	Allyl heptanoate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2%
CAS: 123-68-2 EINECS: 204-642-4 Reg.nr.: 01-2119983573-26-XXXX	Allyl hexanoate ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ Aquatic Acute 1, H400 ⚠ Aquatic Chronic 3, H412	<2%
CAS: 88-41-5 EINECS: 201-828-7	2-tert-butylcyclohexyl acetate ⚠ Aquatic Chronic 2, H411	<2%
CAS: 5392-40-5 EINECS: 226-394-6 Index number: 605-019-00-3 Reg.nr.: 01-2119462829-23-XXXX	Citral ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	<1%
CAS: 91-64-5 EINECS: 202-086-7 Reg.nr.: 01-2119943756-26-XXXX 01-2119949300-45-XXXX	Coumarin ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Sens. 1, H317	<1%

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CAS: 10094-34-5 EINECS: 233-221-8 Reg.nr.: 01-2120742578-44-XXXX	α,α-dimethylphenethyl butyrate ⚠ Skin Irrit. 2, H315 Aquatic Chronic 3, H412	<1%
CAS: 77-83-8 EINECS: 201-061-8 Reg.nr.: 01-2119967770-28-XXXX	Ethyl methylphenylglycidate ⚠ Aquatic Chronic 2, H411 ⚠ Skin Sens. 1B, H317	<1%
CAS: 78-70-6 EINECS: 201-134-4 Index number: 603-235-00-2 Reg.nr.: 01-2119474016-42-XXXX	Linalool ⚠ Eye Irrit. 2, H319; Skin Sens. 1B, H317	<1%
CAS: 112-12-9 EINECS: 203-937-5 Reg.nr.: 01-2120761250-65-XXXX	Undecan-2-one ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Irrit. 2, H315	<1%
CAS: 140-11-4 EINECS: 205-399-7 Reg.nr.: 01-2119638272-42-XXXX	Benzyl acetate Aquatic Chronic 3, H412	<1%

**Additional information:**

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

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **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:**

Protect unharmed eye.

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; call for medical help immediately.

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

Allergic reactions

Gastric or intestinal disorders when ingested.

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

Contains Ethyl methylphenylglycidate, Allyl 3-cyclohexylpropionate, Citral, Coumarin, α,α-dimethylphenethyl butyrate, Linalool, (E)-1-(2,6,6-trimethyl-2-cyclohexen-1-yl)-2-buten-1-one. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

If medical advice is needed, have product container or label at hand.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

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- **Suitable extinguishing agents:**  
Foam  
Gaseous extinguishing agents  
Carbon dioxide  
Fire-extinguishing powder  
Water haze or fog
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Use personal protective equipment as required.  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **6.3 Methods and material for containment and cleaning up**  
Towel or mop up material and collect in a suitable container.  
For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.  
Send for recovery or disposal in suitable receptacles.
- **6.4 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.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
Avoid splashes or spray in enclosed areas.  
Use only in well ventilated areas.  
Avoid contact with the eyes and skin.  
Avoid breathing mist/vapours/spray.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**  
Store in cool, dry conditions in well sealed 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 oxidising agents.
- **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**34590-94-8 Dipropylene glycol monomethyl ether**

IOELV (EU)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Skin
WEL (Great Britain)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Sk
OEL (Ireland)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Sk, IOELV

**5392-40-5 Citral**

OEL (Ireland)	Long-term value: 5 ppm Inhalable fraction and vapour
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**140-11-4 Benzyl acetate**

OEL (Ireland)	Long-term value: 10 ppm
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· **8.2 Exposure controls**

· **General protective and hygienic measures:**

- The usual precautionary measures are to be adhered to when handling chemicals.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

· **Material of gloves**

- Nitrile rubber, NBR
- Neoprene gloves
- Butyl rubber, BR

· **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Protective work clothing

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

No further relevant information available.

· **Risk management measures:** No further relevant information available.

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**SECTION 9: Physical and chemical properties**

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

· **Appearance**

<b>Form:</b>	solid
<b>Colour:</b>	According to product specification
· <b>Odour:</b>	Pleasant
· <b>Odour threshold:</b>	Not determined.

· <b>pH-value:</b>	Not determined.
· <b>Melting point/freezing point:</b>	Not determined.
· <b>Initial boiling point and boiling range:</b>	Not determined.

· <b>Flash point:</b>	Not applicable.
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· <b>Flammability (solid, gas):</b>	Not applicable.
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· <b>Auto/Self-ignition temperature:</b>	Not determined.
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· <b>Decomposition temperature:</b>	Not determined.
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· <b>Explosive properties:</b>	Not determined.
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· **Explosion limits**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

· <b>Oxidising properties</b>	Non-oxidising.
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· <b>Vapour pressure:</b>	Not determined.
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· **Density:**

<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.

· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
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· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
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· **Viscosity**

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

· <b>9.2 Other information</b>	No further relevant information available.
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**SECTION 10: Stability and reactivity**

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability** Stable under normal temperatures and pressures.

· **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.

· **10.3 Possibility of hazardous reactions**

Reacts with oxidising agents.  
Toxic fumes may be released if heated above the decomposition point.

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- **10.4 Conditions to avoid** Excessive heat.
- **10.5 Incompatible materials** Oxidisers
- **10.6 Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**120-51-4 Benzyl benzoate**

Oral LD50 1700 mg/kg (rat)

Dermal LD50 4000 mg/kg (rabbit)

**2705-87-5 Allyl 3-cyclohexylpropionate**

Oral LD50 380 mg/kg (guinea pig)

585 mg/kg (rat)

Dermal LD50 1600 mg/kg (rabbit)

**142-19-8 Allyl heptanoate**

Oral LD50 238 mg/kg (rat)

Dermal LD50 810 mg/kg (rabbit)

**103-37-7 benzyl butyrate**

Oral LD50 2330 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

**123-68-2 Allyl hexanoate**

Oral LD50 218 mg/kg (rat)

Dermal LD50 820 mg/kg (rabbit)

**88-41-5 2-tert-butylcyclohexyl acetate**

Oral LD50 4600 mg/kg (rat)

**91-64-5 Coumarin**

Oral LD50 293 mg/kg (rat)

Dermal LD50 293 mg/kg (rat)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation:**  
May cause an allergic skin reaction.

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

None of the ingredients are listed.

· **Probable routes of exposure:**

Ingestion.  
Inhalation.  
Eye contact.

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- 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:** Based on available data, the classification criteria are not met.
- **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:** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:**  
Toxic to aquatic life with long lasting effects.

#### 120-51-4 Benzyl benzoate

LC50 2,32 mg/l (zebra fish)

EC50 3,09 mg/l (daphnia)

#### 91-64-5 Coumarin

LC50 2,94 mg/l (pimephales promelas)

EC50 1,452 mg/l (Pseudokirchneriella subcapitata)

30,6 mg/l (daphnia)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Avoid release to the environment.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 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.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**

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<ul style="list-style-type: none"> <li>· DOT</li> <li>· ADR/RID/ADN, IMDG, IATA</li> </ul>	<p>Not Regulated UN3082</p>
<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· DOT</li> <li>· ADR/RID/ADN, IMDG, IATA</li> </ul>	<p>Not Regulated ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl benzoate, Allyl cyclohexanepropionate)</p>
<ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· DOT</li> <li>· Class</li> </ul>	<p>Not Regulated</p>
<ul style="list-style-type: none"> <li>· ADR/RID/ADN</li> </ul> <div style="display: flex; align-items: center; gap: 10px;">   </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>9 (M6) 9</p>
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul> <div style="display: flex; align-items: center; gap: 10px;">   </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>9 9</p>
<ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· DOT</li> <li>· ADR/RID/ADN, IMDG, IATA</li> </ul>	<p>Not Regulated III</p>
<ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· Marine pollutant:</li> </ul>	<p>Product contains environmentally hazardous substances: Allyl 3-cyclohexylpropionate, Benzyl benzoate Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	<p>Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F</p>
<ul style="list-style-type: none"> <li>· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	<p>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</p>

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· **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.

**SECTION 15: Regulatory information**

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

None of the ingredients are listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients are listed.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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.

· **Relevant phrases**

- H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

· **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
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
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  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))  
Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))  
Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://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., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
Safety Data Sheets, Individual Manufacturers

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