Material Safety Data Sheet
DL-sec-Phenethyl alcohol

MSDS# 03492

Section 1 - Chemical Product and Company Identification

MSDS Name: DL-sec-Phenethyl alcohol
Catalog Numbers: AC130190000, AC130190010, AC130190250, AC304280000, AC304280250, AC304281000
AC351880000, AC351881000, AC351885000, AC414040000, AC414040010
AC414040010, AC414042500, ACE1086222
Synonyms: alpha-Methylbenzyl alcohol; Methylphenylcarbinol; DL-1-Phenylethanol.

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaan 3a
2440 Geel, Belgium
Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 98-85-1
Chemical Name: DL-sec-Phenethyl alcohol
%: 97-100%
EINECS#: 202-707-1

Hazard Symbols: XN
Risk Phrases: 22 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Warning! Combustible liquid and vapor. Harmful if swallowed. Causes eye, skin, and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.
Chronic: No information found.

Section 4 - First Aid Measures
**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Notes to Physician:** Treat symptomatically and supportively.

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**Section 5 - Fire Fighting Measures**

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid and vapor.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

- **Autoignition Temperature:** 480 deg C (896.00 deg F)
- **Flash Point:** 86 deg C (186.80 deg F)

**Explosion Limits:**
- **Lower:** 1.8 Vol%
- **Upper:** 4.9 Vol%

**NFPA Rating:** health: 2; flammability: 2; instability: 0;

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**Section 6 - Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation. Do not let this chemical enter the environment.

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**Section 7 - Handling and Storage**

**Handling:** Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use only in a chemical fume hood. Keep away from heat and flame.

**Storage:** Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

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**Section 8 - Exposure Controls, Personal Protection**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
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<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
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<tr>
<td>cohol</td>
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</tbody>
</table>

**OSHA Vacated PELs:** DL-sec-Phenethyl alcohol: None listed

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

**Exposure Limits**

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a
Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: colorless
Odor: Not available
pH: Not available
Vapor Pressure: 0.1 mm Hg @ 20 deg C
Vapor Density: 4.21
Evaporation Rate: Not available
Viscosity: 11.2 mPa.s @ 20 deg C
Boiling Point: 203 - 205 deg C @ 760 mmHg
Freezing/Melting Point: 20 deg C (68.00°F)

Section 10 - Stability and Reactivity

Chemical Stability: No information found.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Oxidizing agents, acids, acetic anhydride, acid chlorides.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 98-85-1: DO9275000
RTECS: CAS# 98-85-1: Dermal, guinea pig: LD50 = >15 mL/kg;
Draize test, rabbit, eye: 2 mg Severe;
LD50/LC50: DraiZe test, rabbit, skin: 500 mg/24H Moderate;
Oral, mouse: LD50 = 558 mg/kg;
Oral, rat: LD50 = 400 mg/kg;
Carcinogenicity: DL-sec-Phenethyl alcohol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Daphnia: 102 mg/L; 48 Hrs.; EC50
Bacteria: Pseudomonas putida: 410 mg/L; 16 hrs.; EC10
Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: ALPHA-METHYLBENZYL ALCOHOL, LIQUID (DL-sec-Phenethyl alcohol)
Hazard Class: 6.1
UN Number: UN2937
Packing Group: III
Canada TDG
Shipping Name: ALPHA-METHYLBENZYL ALCOHOL, LIQUID (DL-sec-Phenethyl alcohol)
Hazard Class: 6.1
UN Number: UN2937
Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:
R 22 Harmful if swallowed.
R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 98-85-1: 1

Canada

CAS# 98-85-1 is listed on Canada's DSL List
Canadian WHMIS Classifications: B3, D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 98-85-1 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 98-85-1 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 1/16/2002
Revision #7 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.