# SAFETY DATA SHEET

**Creation Date** 22-Dec-2009 **Revision Date** 22-Jan-2013 **Revision Number** 3

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

**Product Description:** **Cinnamyl alcohol**
**Cat No.** **148520000; 148520050; 148521000; 148522500; 148525000**
**Synonyms** 3-Phenyl-2-propene-1-ol

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Laboratory chemicals
**Uses advised against** No Information available

**Details of the supplier of the safety data sheet**

**Company**
Acros Organics BVBA
Janssen Pharmaceuticalaan 3a
2440 Geel, Belgium
**E-mail address** begel.sdsdesk@thermofisher.com

**Emergency Telephone Number**

For information in the US, call: 001-800-ACROS-01
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300
CHEMTREC Phone Number, Europe: 001-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

| | |
|---|---|
| Skin Sensitization | Category 1 |

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

*For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16*

**Symbol(s)** Xi - Irritant
**R-phrase(s)** R43 - May cause sensitization by skin contact

**Label Elements**

## SECTION 2. HAZARDS IDENTIFICATION

**Signal Word** **Warning**

**Hazard Statements**

H317 - May cause an allergic skin reaction

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P272 - Contaminated work clothing should not be allowed out of the workplace

**Other Hazards**

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | EC-No. | Weight % | CAS-No | 67/548/EEC Classification | CLP Classification - Regulation (EC) No 1272/2008 | REACH No. |
|---|---|---|---|---|---|---|
| Cinnamyl alcohol<br>104-54-1 | EEC No. 203-212-3 | <95 | 104-54-1 | Xi; R43 | Skin Sens. 1 (H317) | - |

**For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16**

## SECTION 4. FIRST AID MEASURES

**Description of first aid measures**

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

**Ingestion** Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Inhalation** Move to fresh air. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device.

**Notes to Physician** Treat symptomatically

## SECTION 5. FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable Extinguishing Media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing media which must not be used for safety reasons**
No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**Environmental precautions**

Should not be released into the environment.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

## SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place

**Specific End Uses**

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

| | |
|---|---|
| **Exposure limits** | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
| **Biological limit values** | This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies. |
| **Derived No Effect Level (DNEL)** | No information available. |
| **Predicted No Effect Concentration (PNEC)** | No information available. |

**Exposure controls**

| | |
|---|---|
| **Engineering Measures** | Use only under a chemical fume hood Ensure that eyewash stations and safety showers are close to the workstation location |

**Personal protective equipment**

| | |
|---|---|
| **Eye Protection** | Safety glasses with side-shields |
| **Hand Protection** | Protective gloves |
| **Skin and body protection** | Wear appropriate protective gloves and clothing to prevent skin exposure |
| **Respiratory Protection** | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced |

| | |
|---|---|
| **Hygiene Measures** | Handle in accordance with good industrial hygiene and safety practice |
| **Environmental exposure controls** | No information available. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical State** | Low melting solid, Solid |
| **Appearance** | White |
| **odor** | aromatic |
| **pH** | No information available. |
| **Vapor Pressure** | 1.33 mbar @ 114 °C |
| **Boiling Point/Range** | 258°C / 496.4°F |
| **Melting Point/Range** | 31 - 35°C / 87.8 - 95°F |
| **Flash Point** | 126°C / 258.8°F |
| **Autoignition Temperature** | 395°C / 743°F |
| **Water Solubility** | 1.8 g/L (20°C) |
| **Specific Gravity** | 1.040 |
| **Molecular Formula** | C9 H10 O |
| **Molecular Weight** | 134.18 |

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

**Hazardous Polymerization** Hazardous polymerization does not occur.
**Hazardous Reactions .** None under normal processing..

### Conditions to Avoid

Incompatible products, Excess heat, Avoid dust formation.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide ($CO_2$).

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

### Acute Toxicity

**Component Information**

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation (Dust) |
|---|---|---|---|
| Cinnamyl alcohol | 2 g/kg ( Rat ) | 5 g/kg ( Rabbit ) | |

### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product

**Sensitization** No information available.
**Mutagenic Effects** No information available
**Reproductive Effects** No information available.
**Developmental Effects** No information available.
**Target Organs** Eyes Skin Respiratory system
**Other Adverse Effects** The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information
**Endocrine Disruptor Information** None known

## SECTION 12. ECOLOGICAL INFORMATION

**Toxicity**
**Ecotoxicity effects** No information available.

**Persistence and degradability**
No information available
**Bioaccumulative potential**
No information available.

| Component | log Pow |
|---|---|
| Cinnamyl alcohol | 1.95 |

**Mobility in soil**
No information available.
**Results of PBT and vPvB assessment**
**Other adverse effects**
No information available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations

**Contaminated Packaging** Empty containers should be taken to local recyclers for disposal

## SECTION 14. TRANSPORT INFORMATION

**IMDG/IMO** Not regulated

**ADR** Not regulated

**IATA** Not regulated

## SECTION 15. REGULATORY INFORMATION

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

**International Inventories**

| Component | EINECS | ELINCS | NLP | TSCA | DSL | NDSL | PICCS | ENCS | CHINA | AICS | KECL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cinnamyl alcohol | 203-212-3 | - | | X | X | - | X | X | X | X | X |

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**CHINA** - China Inventory of Existing Chemical Substances
**AICS** - Inventory of Chemical Substances
**KECL** - Existing and Evaluated Chemical Substances

**Chemical Safety Assessment**

## SECTION 16. OTHER INFORMATION

**Full text of R-phrases referred to under sections 2 and 3**
R43 - May cause sensitization by skin contact

**Revision Date** 22-Jan-2013
**Revision Summary**

**Reason for revision** (M)SDS sections updated, 2, 3.

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided on 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.**

**End of Safety Data Sheet**