



## Material Safety Data Sheet

2-Phenyl ethyl acetate, 98+%

MSDS# 05586

### Section 1 - Chemical Product and Company Identification

MSDS Name: 2-Phenyl ethyl acetate, 98+%

Catalog Numbers: AC259710000, AC259710010, AC259710050, AC259712500

Synonyms: Beta-phenylethyl acetate; Benzylcarbonyl acetate.

Company Identification: Acros Organics BVBA  
Janssen Pharmaceuticaaan 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

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CAS#: 103-45-7

Chemical Name: 2-Phenyl ethyl acetate

%: 98.0+

EINECS#: 203-113-5

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Hazard Symbols: None listed

Risk Phrases: None listed

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Caution! The toxicological properties of this material have not been fully investigated. This is expected to be a low hazard for usual industrial handling. May cause irritation. Target Organs: None.

#### Potential Health Effects

Eye: May cause eye irritation.

Skin: Causes mild skin irritation.

Ingestion: Expected to be a low ingestion hazard.

Inhalation: Low hazard for usual industrial handling.

Chronic: No information found.

### Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to  
Physician:

### 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.

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

Autoignition  
Temperature: 450 deg C ( 842.00 deg F)

Flash Point: 105 deg C ( 221.00 deg F)

Explosion Limits:  
Lower: Not available

Explosion Limits:  
Upper: Not available

NFPA Rating: NFPA Rating:

### 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. Provide ventilation.

### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Avoid breathing dust, mist, or vapor. Avoid contact with eyes, skin, and clothing. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Phenyl ethyl acetate	none listed	none listed	none listed

OSHA Vacated PELs: 2-Phenyl ethyl acetate: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne 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 minimize contact with skin.

Respirators: 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.

### Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: colorless

Odor: Sweet, fruity, honey-like

pH: Not available

Vapor Pressure: 1013 mbar @ 259

Vapor Density: 5.67

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 232 deg C @ 760.00mm Hg ( 449.60°F)

Freezing/Melting Point: -31 deg C ( -23.80°F)

Decomposition Temperature: Not available

Solubility in water: negligible

Specific Gravity/Density: 1.0310g/cm3

Molecular Formula: C10H12O2

Molecular Weight: 164.20

#### Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: None reported.

Incompatibilities with Other Materials: Not available

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

#### Section 11 - Toxicological Information

RTECS#: CAS# 103-45-7: AJ2220000

RTECS:

**CAS# 103-45-7:** Draize test, rabbit, skin: 500 mg/24H Mild;

Inhalation, rat: LC50 = >500 mg/m3;

LD50/LC50: Oral, mouse: LD50 = 3670 mg/kg;

Oral, rat: LD50 = 3670 mg/kg;

Skin, rabbit: LD50 = 6210 mg/kg;

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Carcinogenicity: 2-Phenyl ethyl acetate - 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

Other: No information available.

#### Section 13 - Disposal Considerations

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

#### Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

#### Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 103-45-7: 1

#### Canada

CAS# 103-45-7 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

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# 103-45-7 is not listed on Canada's Ingredient Disclosure List.

#### US Federal

##### TSCA

CAS# 103-45-7 is listed on the TSCA  
Inventory.

#### Section 16 - Other Information

MSDS Creation Date: 2/15/1999

Revision #5 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 merchantability 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.

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