

Section 1. Product and Company Identification

**Product Name** Methyl Benzoate  
**CAS Number** 93-58-3

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**Regulation (EC) No 1272/2008**

Acute oral toxicity - Category 4  
Skin Corrosion/irritation - Category 2  
Serious Eye Damage/Eye Irritation - Category 2

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

Symbol(s) Xn - Harmful  
R-phrases R22 - Harmful if swallowed  
Risk Combination Phrases R36/38 - Irritating to eyes and skin

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H302 - Harmful if swallowed  
H319 - Causes serious eye irritation  
H315 - Causes skin irritation

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

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water



P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Other Hazards:** No information available.

### Section 3. Composition / Information on Ingredients

**Common Name** Methyl Benzoate  
**Synonym(s)** Benzoic acid, methyl ester  
**Formula**  $C_8H_8O_2$   
**CAS Number** 93-58-3

COMPONENT	CAS NUMBER	CONCENTRATION
Methyl Benzoate	93-58-3	99% wt.

### 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. Obtain medical attention.

**Skin Contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

**Ingestion:** Clean mouth with water. Get medical attention.

**Inhalation:** Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

**Notes to Physician:** Treat symptomatically

### Section 5. Firefighting Measures

#### Extinguishing media

**Suitable Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. chemical foam.

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

**Special hazards arising from the substance or mixture:** Combustible material. Flammable.

**Advice for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Ensure adequate ventilation



**Environmental precautions:** Prevent further leakage or spillage if safe to do so  
**Methods and material for containment and cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Do not let this chemical enter the environment.

Section 7. Handling and Storage

**Precautions for Safe Handling:** Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Do not ingest.  
**Conditions for safe storage, including any incompatibilities:** Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

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:** Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and safety showers are close to the workstation location

**Personal protective equipment**

**Eye Protection:** Goggles  
**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:** Liquid  
**Appearance:** Light yellow  
**Odor:** Aromatic  
**pH:** No information available.



**Boiling Point/Range (760 mmHg):** 198 - 199°C / 388.4 - 390.2°F

**Melting Point/Range:** -12°C / 10.4°F

**Flash Point:** 82°C / 179.6°F

**Auto-ignition Temperature** 518°C / 964.4°F

**Explosion Limits**

**Lower** 8.6

**Upper** 20

**Water Solubility** Insoluble

**Specific Gravity** 1.080

**Molecular Formula** C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>

**Molecular Weight** 136.15

#### Section 10. Stability and Reactivity

##### Reactivity

**Chemical Stability:** Stable under normal conditions

##### Possibility of Hazardous Reactions

**Hazardous Polymerization:** No information available.

**Hazardous Reactions:** No information available.

**Conditions to Avoid:** Incompatible products.

**Incompatible Materials:** Strong oxidizing agents, Strong bases.

**Hazardous Decomposition Products:** Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>).

#### Section 11. Toxicological Information

##### Information on Toxicological Effects

###### Acute Toxicity

**Component:** Methylbenzoate

**LD50 Oral:** 1177 mg/kg (Rat)

**LD50 Dermal:** N/A

**LD50 Inhalation:** N/A

###### 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:** No information available.

**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:** Do not empty into drains

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**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:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

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**

**EINECS:** 202-259-7

**ELINCS:** No

**NLP:** No

**TSCA:** Yes

**DSL:** Yes

**NDSL:** No

**PICCS:** Yes

**ENCS:** Yes

**CHINA:** Yes

**AICS:** Yes

**KECL:** Yes

**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/NDL:** 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

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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