



Section 1. Product and Company Identification

**Product Name** Isobornyl Acetate  
**CAS Number** 125-12-2

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

Section 2. Hazards Identification

**Classification of the substance or mixture**

**Physical hazards:** Flammable liquids Category 4  
**Health hazards:** Skin corrosion/irritation Category 3  
**Environmental hazards:** Not classified

**GHS Label Elements**

**Signal word:** Warning

**Hazard and precautionary statements**

**Hazard statements:** H227 Combustible liquid  
H316 Causes mild skin irritation.

**Precautionary statements**

**Prevention:** P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P370 + P378 In case of fire: Use water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam for extinction.  
**Response:** P332 + P313 If skin irritation occurs: Get medical advice/attention.  
**Storage:** P403 Store in a well-ventilated place.  
**Disposal:** P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



Section 3. Composition / Information on Ingredients

**Common Name** Isobornyl Acetate

**Formula** C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>

**CAS Number** 125-12-2

| COMPONENT         | CAS NUMBER | CONCENTRATION |
|-------------------|------------|---------------|
| Isobornyl Acetate | 125-12-2   | ≥ 97%         |

Section 4. First Aid Measures

**Inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

**Skin Contact:** Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.

**Eye Contact:** Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.

**Ingestion:** Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

**Most important symptoms/effects, acute and delayed:** Irritant effects.

**Indication of immediate medical attention and special treatment needed:** Not available.

**General information:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Section 5. Firefighting Measures

**Suitable extinguishing media:** Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media:** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical:** Fire may produce irritating, corrosive and/or toxic gases.



**Special protective equipment and precautions for firefighters:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighter's protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

**Fire-fighting equipment/instructions:** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

**Specific methods:** Use water spray to cool unopened containers.

**General fire hazards:** Static charges generated by emptying package in or near flammable vapor may cause flash fire.

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.

**Methods and materials for containment and cleaning up:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. Collect and dispose of spillage as indicated in section 13 of the SDS.

**Environmental precautions:** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a



cool, well-ventilated area.

Section 8. Exposure Controls / Personal Protection

**Occupational exposure limits:** No exposure limits noted for ingredient(s).

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** Use explosion-proof ventilation equipment to stay below exposure limits. Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection:** Chemical resistant gloves.

**Other:** Not available.

**Respiratory protection:** Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

**Thermal hazards:** Not available.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

**Property:** Result

**Appearance:** Colorless to pale yellow

**Physical State:** Liquid

**Color:** Colorless to pale yellow

**Form:** Liquid

**Odor:** With cool and refreshing pine needle odor

**Odor threshold:** Not available.

**pH:** Not available.

**Melting Point/Freezing Point, °C:** Not available.

**Initial boiling point and boiling range, °C:** 227

**Flash Point, °C/°F:** 96 / 204.8 (Tag Closed Cup)

**Evaporation rate:** Not available.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower(%):** Not available



**Flammability limit - upper(%):** Not available  
**Explosive limit - lower (%):** Not available  
**Explosive limit - upper (%):** Not available  
**Vapor pressure:** 0.025 mm Hg at 20°C  
**Vapor Density:** 6.8  
**Relative Density (at 20°C/4°C):** 0.980 - 0.986

**Solubility(ies)**

**Solubility (water):** Insoluble  
**Partition coefficient (n-octanol/water):** Not available.  
**Auto-ignition temperature:** Not available.  
**Decomposition temperature:** Not available.  
**Viscosity:** Not available.  
**Other information**  
**Bulk density:** Not available.  
**Flammability class:** Combustible III B estimated

Section 10. Stability and Reactivity

**Reactivity:** Not available.  
**Chemical stability:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions:** Not available.  
**Conditions to avoid:** Prolonged or excessive heat and/or exposure to air may cause non-hazardous decomposition and/or oxidation of the substance.  
Keep away from heat and sources of ignition.  
**Incompatible materials:** Avoid contact with strong acids and strong oxidizing agents.  
**Hazardous decomposition products:** No hazardous decomposition products if stored and handled as indicated.

Section 11. Toxicological Information

**Information on likely routes of exposure**

**Ingestion:** Not available.  
**Inhalation:** Not available.  
**Skin Corrosion:** Causes mild skin irritation.  
**Eye Corrosion:** Not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Information on toxicological effects:** Irritant effects.

**ACUTE TOXICITY:** Acute Oral (LD50, rat): >10000 mg/kg;  
Acute Dermal (LD50, rabbit): > 20000 mg/kg.

\* Estimates for product may be based on additional component data not shown.



**Skin corrosion/irritation:** Causes mild skin irritation.

**Serious eye damage/eye Irritation:** Due to lack of data the classification is not possible.

**Respiratory or skin sensitization**

**Respiratory sensitization:** Due to lack of data the classification is not possible.

**Skin sensitization:** Due to lack of data the classification is not possible.

**Germ cell mutagenicity:** Due to lack of data the classification is not possible.

**Carcinogenicity:** Due to lack of data the classification is not possible.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**Reproductive toxicity:** Due to lack of data the classification is not possible.

**Specific target organ toxicity - single exposure:** Due to lack of data the classification is not possible.

**Specific target organ toxicity - repeated exposure:** Due to lack of data the classification is not possible.

**Aspiration hazard:** Due to lack of data the classification is not possible.

Section 12. Ecological Information

**Ecotoxicity:** Not available.

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

**Other adverse effects:** Not 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

**AND:** Not regulated as dangerous goods.

**ADR:** Not regulated as dangerous goods.

**RID:** Not regulated as dangerous goods.

**DOT**

**BULK:** Not regulated as dangerous goods.



**DOT**

**NON-BULK:** Not regulated as dangerous goods.

**IATA:** Not regulated as dangerous goods.

**IMDG:** Not regulated as dangerous goods.

Section 15. Regulatory Information

**Inventories Status**

**China IECS:** Listed

**European Union REACH:** Registered

**Canada DSL:** Listed

**Japan Chemical Substances Control Law:** Listed

**USA (TSCA) TSCA:** Listed

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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