



Material Safety Data Sheet

Isoamyl acetate

MSDS# 08146

Section 1 - Chemical Product and Company Identification

MSDS Name: Isoamyl acetate

Catalog Numbers: AC150660000, AC150660010, AC150660025, AC1506610, AC150662500, AC150665000

Synonyms: Banana oil; Isoamyl ethanoate; Isopentyl acetate; 3-Methylbutyl acetate; Pear oil.

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#: 123-92-2  
Chemical Name: Isoamyl acetate  
%: 99+  
EINECS#: 204-662-3  
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Hazard Symbols: None listed

Risk Phrases: 10 66

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. Repeated exposure may cause skin dryness or cracking. Target Organs: Central nervous system, skin.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation. Repeated or prolonged exposure may cause drying and cracking of the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

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. If irritation develops, get medical aid.

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

Ingestion: Do not induce vomiting. 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 if cough or other symptoms appear.

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. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Will burn if involved in a fire. Containers may explode in the heat of a fire. Flammable liquid and vapor.

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

**Autoignition Temperature:** 379 deg C ( 714.20 deg F)

**Flash Point:** 25 deg C ( 77.00 deg F)

**Explosion Limits: Lower:** 1 Vol %

**Explosion Limits: Upper:** 7.5 Vol %

**NFPA Rating:** health: 1; flammability: 3; instability: 0;

### 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. Use a spark-proof tool. Do not let this chemical enter the environment.

### Section 7 - Handling and Storage

**Handling:** Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use only with adequate ventilation. Keep away from heat, sparks and flame.

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

### Section 8 - Exposure Controls, Personal Protection

| Chemical Name   | ACGIH  | NIOSH                                    | OSHA - Final PELs          |
|-----------------|--|--|----------------------------|
| Isoamyl acetate | 50 ppm (listed under Pentyl acetate, all isomers); 100 ppm STEL (listed under Pentyl acetate, all isomers) | 100 ppm TWA; 525 mg/m3 TWA 1000 ppm IDLH | 100 ppm TWA; 525 mg/m3 TWA |

OSHA Vacated PELs: Isoamyl acetate: 100 ppm TWA; 525 mg/m3 TWA

**Engineering Controls:**

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**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.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

### Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: colorless

Odor: fruity odor

pH: Not available

Vapor Pressure: 4 mm Hg @ 20 deg C

Vapor Density: 4.49 (air=1)

Evaporation Rate: 0.42 (n-butyl acetate = 1)

Viscosity: 1.03 Pa @ 8.97 deg C

Boiling Point: 142 deg C @ 756 mm Hg ( 287.60°F)

Freezing/Melting Point: -78 deg C ( -108.40°F)

Decomposition Temperature: Not available

Solubility in water: Slightly soluble

Specific Gravity/Density: 0.874

Molecular Formula: C7H14O2

Molecular Weight: 130.19

Section 10 - Stability and Reactivity

|  |   |
|--|---|
| Chemical Stability:                    | Stable under normal temperatures and pressures.                       |
| Conditions to Avoid:                   | Incompatible materials, ignition sources, excess heat.                |
| Incompatibilities with Other Materials | Strong oxidizing agents, reducing agents, strong acids, strong bases. |
| Hazardous Decomposition Products       | Carbon monoxide, carbon dioxide.                                      |
| Hazardous Polymerization               | Will not occur.   |

Section 11 - Toxicological Information

|                  |  |
|------------------|--|
| RTECS#:          | CAS# 123-92-2: NS9800000   |
|                  | RTECS:   |
| LD50/LC50:       | <b>CAS# 123-92-2:</b> Oral, rabbit: LD50 = 7422 mg/kg;<br>Oral, rat: LD50 = 16600 mg/kg;<br>Skin, rabbit: LD50 = >5 gm/kg; |
|                  | .  |
| Carcinogenicity: | Isoamyl 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: | 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: AMYL ACETATES

Hazard Class: 3

UN Number: UN1104

Packing Group: III

Canada TDG

Shipping Name: AMYL ACETATES

Hazard Class: 3

UN Number: UN1104

Packing Group: III

USA RQ: CAS# 123-92-2: 5000 lb final RQ (listed under Amyl acetate); 2270 kg final RQ (list

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:Not available

Risk Phrases:

R 10 Flammable.

R 66 Repeated exposure may cause skin dryness or cracking.

Safety Phrases:

S 23 Do not inhale gas/fumes/vapour/spray.

S 25 Avoid contact with eyes.

WGK (Water Danger/Protection)

CAS# 123-92-2: 1

Canada

CAS# 123-92-2 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, 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# 123-92-2 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 123-92-2 is listed on the TSCA Inventory.

#### Section 16 - Other Information

MSDS Creation Date: 2/10/1998

Revision #8 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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