

# Material Safety Data Sheet

## *n*-Butyl Acetate

Version 1.05

Revision Date 20.11.2006



### 1. Identification of the substance/preparation and of the company/undertaking

<b>Trade name</b>	<i>n</i> -Butyl Acetate
<b>Synonyms</b>	<i>n</i> -Butyl Acetate, 1-Butyl Acetate, Butyl ethanoate, 1-Acetoxybutane, Butyl ester
<b>Use</b>	Solvents
<b>Company</b>	Hitech Chemicals

### 2. Composition/information on ingredients

*n*-butyl acetate

content: 99.50 %W/W

**CAS-No.** 123-86-4

**Index-No.** 607-025-00-1

**EC-No.** 204-658-1

**Symbol(s)**

**R-phrases(s)** -R10 -R66 -R67

For the full text of the R phrases mentioned in this Section, see Section 16.

### 3. Hazards identification

#### Identification of the risks

R10

Flammable.

R66

Repeated exposure may cause skin dryness or cracking.

R67

Vapours may cause drowsiness and dizziness.

### 4. First aid measures

**General advice**

If you feel unwell, seek medical advice (show the label where possible).

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<b>Inhalation</b>	<i>Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. Consult a physician.</i>
<b>Skin contact</b>	<i>Wash off immediately with plenty of water for at least 15 minutes. Consult a physician.</i>
<b>Eye contact</b>	<i>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.</i>
<b>Ingestion</b>	<i>Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.</i>

### 5. Fire-fighting measures

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<b>Suitable extinguishing media</b>	<i>Water spray, Foam, Dry powder</i>
<b>Specific hazards during fire fighting</b>	<i>Do not allow run-off from fire fighting to enter drains or water courses.</i>
<b>Special protective equipment for fire-fighters</b>	<i>In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.</i>
<b>Further information</b>	<i>Cool containers / tanks with water spray.</i>

### 6. Accidental release measures

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<b>Personal precautions</b>	<i>Keep people away from and upwind of spill/leak. Remove all sources of ignition. Do not breathe vapours or spray mist.</i>
<b>Environmental precautions</b>	<i>Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.</i>
<b>Methods for cleaning up</b>	<i>Soak up with inert absorbent material and dispose of as hazardous waste.</i>
<b>Additional advice</b>	<i>Never return spills in original containers for re-use.</i>

### 7. Handling and storage

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#### Handling

<b>Safe handling advice</b>	<i>Do not breathe vapours or spray mist. Wear personal protective equipment.</i>
<b>Advice on protection against fire and explosion</b>	<i>Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.</i>

#### Storage

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**Requirements for storage areas and containers** Keep containers tightly closed in a cool, well-ventilated place.

### 8. Exposure controls / personal protection

#### Components with workplace control parameters

##### NATIONAL OCCUPATIONAL EXPOSURE LIMITS

no data available

##### EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

no data available

#### Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

#### Personal protective equipment

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection** gloves suitable for permanent contact:  
Material: butyl-rubber  
Break through time: 4 h  
Material thickness: 0.5 mm  
unsuitable gloves  
Material: leather, nitrile rubber/nitrile latex, Polyvinylchloride, natural rubber/natural latex

**Eye protection** Safety glasses with side-shields

**Skin and body protection** protective suit, Safety shoes

**Hygiene measures** Wash hands before breaks and immediately after handling the product.

**Protective measures** Wear suitable protective equipment.

### 9. Physical and chemical properties

<b>Form</b>	liquid
<b>Colour</b>	colourless
<b>Melting point/range</b>	-73.5 °C
<b>Boiling point/range</b>	126 °C
<b>Flash point</b>	27 °C; closed cup
<b>Autoignition temperature</b>	425.3 °C

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<b>Lower explosion limit</b>	1.7 %(V)
<b>Upper explosion limit</b>	7.6 %(V)
<b>Vapour pressure</b>	11 hPa; 20 °C
<b>Density</b>	0.881 g/cm <sup>3</sup> ; 20 °C
<b>Water solubility</b>	partly soluble, immiscible
<b>Partition coefficient (n-octanol/water)</b>	log Pow: 1.82
<b>Viscosity, dynamic</b>	0.732 mPa.s
<b>Relative vapour density</b>	4

### 10. Stability and reactivity

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<b>Materials to avoid</b>	Oxidizing agents, Acids and bases
<b>Hazardous decomposition products</b>	Carbon oxides

### 11. Toxicological information

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<b>Acute oral toxicity</b>	LD50 rat: 14,000 mg/kg; literature value LD50 rabbit: 3,200 mg/kg; literature value
<b>Acute inhalation toxicity</b>	LC50 rat: 390 mg/l; ; 4 h; literature value
<b>Acute dermal toxicity</b>	LD50 rabbit: > 17,600 mg/kg; literature value
<b>Skin irritation</b>	rabbit: moderately irritating; (literature value)
<b>Eye irritation</b>	rabbit: Moderate eye irritation; (literature value)

### 12. Ecological information

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#### Ecotoxicity effects

<b>Toxicity to fish</b>	LC50 Pimephales promelas: 18 mg/l; 96 h; literature value LC50 Bluegill sunfish: 100 mg/l; 96 h; literature value
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### 13. Disposal considerations

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<b>Product</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Store containers and offer for recycling of material when in accordance with the local regulations.

### 14. Transport information

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<b>ADR</b>	UN-No.: 1123; Class: 3; Packaging group: III; F1; Description of the goods: BUTYL ACETATES
<b>RID</b>	UN-No.: 1123; Class: 3; Packaging group: III; F1; Description of the goods: BUTYL ACETATES
<b>ADNR</b>	UN-No.: 1123; Class: 3; Packaging group: III; F1; Description of the goods: BUTYL ACETATES
<b>IMDG</b>	UN-No.: 1123; Class: 3; EmS: F-E, S-D; Packaging group: III; Description of the goods: BUTYL ACETATES
<b>ICAO/IATA</b>	UN-No. : 1123; Class: 3; Packaging group: III; Description of the goods: Butyl acetates

### 15. Regulatory information

#### Labelling

<b>Regulatory base</b>	67/548/EEC
<b>R-phrase(s)</b>	R10: Flammable. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
<b>S-phrase(s)</b>	S 2: Keep out of the reach of children. S25: Avoid contact with eyes.
<b>Hazardous components which must be listed on the label</b>	<i>n</i> -butyl acetate

### 16. Other information

#### Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This MSDS summarises at the date of issue our best knowledge of the health, safety and environmental hazard information related to the product, and in particular how to safely handle, use, store and transport the product in the workplace. Since we cannot anticipate or control conditions under which the product may be handled, used, stored or transported, each user must, prior to usage, review this MSDS in the context of how the user intends to handle, use, store or transport the product in the workplace and beyond, and communicate such information to all relevant parties. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

We shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given unless there has been gross negligence on our part. In such event our liability shall be limited only to direct damages suffered. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. All risk associated with the possession and application of the product passes on delivery.

The MSDS was created by:

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*The MSDS was approved by:*