



## Material Safety Data Sheet

### 1. Identification of Substances/Preparation and of the Company/undertaking.

- **Product details**
- **Trade name:** n-butyl acetate
- **Manufacturer/Supplier:**  
Jay Overseas Pvt.Ltd.  
402, Shopper Plaza-IV,  
Opp.Lal Bunglow,  
C.G.Road,Navrangpura,  
Ahmedabad-380 009  
Ph:+91 79-66622278 to 92 Fax:+91 79-66622280 /90  
E-Mail Id: info@jayoverseas.com
- **Further information obtainable from:** Product safety department.

### 2. Composition/Information on ingredients.

- **Chemical characterization:**
- **CAS No. Description**  
123-86-4 n-butyl acetate
- **Identification number(s)**
- **EINECS Number:** 204-658-1
- **EU Number:** 607-025-00-1

### 3. Hazards Identification.

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
R 10 Flammable.  
R 66 Repeated exposure may cause skin dryness or cracking.  
R 67 Vapours may cause drowsiness and dizziness.

### 4. First Aid Measures.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

### 5. Fire-Fighting Measures.

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

### 6. Accident Release Measures.

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7. Handling & Storage.

<ul style="list-style-type: none"> <li>· <b>Handling:</b></li> <li>· <b>Information for safe handling:</b> No special requirement</li> <li>· <b>Information about fire - and explosion protection:</b> Keep ignition sources away - Do not smoke. Protect against electrostatic charges.</li> <li>· <b>Storage:</b></li> <li>· <b>Requirements to be met by storerooms and receptacles:</b> No special requirements.</li> <li>· <b>Information about storage in one common storage facility:</b> Not required.</li> <li>· <b>Further information about storage conditions:</b> Keep container tightly sealed.</li> </ul>
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<b>8.Exposure Control/Personal Protection</b>
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· <b>Additional information about design of technical facilities:</b> No further data; see item 7.
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· <b>Ingredients with limit values that require monitoring at the workplace:</b>
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<b>123-86-4 n-butyl acetate</b>
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PEL (USA)-----	710 mg/m <sup>3</sup> , 150 ppm
REL (USA)-----	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV (USA)-----	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 713 mg/m <sup>3</sup> , 150 ppm
WEL (Great Britain)-----	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and

varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

<b>9.Physical and Chemical Properties.</b>
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· <b>General Information</b>
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<b>Form:</b> Fluid
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<b>Colour:</b> Colourless
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<b>Odour:</b> Fruit-like
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· <b>Change in condition</b>
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<b>Melting point/Melting range:</b> -76°C
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<b>Boiling point/Boiling range:</b> 124-128°C
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· <b>Flash point:</b> 27°C
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· <b>Ignition temperature:</b> 370°C
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· <b>Danger of explosion:</b> Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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· <b>Explosion limits:</b>
<b>Lower:</b> 1.2 Vol %
<b>Upper:</b> 7.5 Vol %
· <b>Vapour pressure at 20°C:</b> 10.7 hPa
· <b>Density at 20°C:</b> 0.88 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with</b>
<b>water at 20°C:</b> 5 g/l
· <b>pH-value (5 g/l) at 20°C:</b> 5
· <b>Viscosity:</b>
<b>Dynamic at 20°C:</b> 0.7 mPas

### **10. Stability and Reactivity.**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### **11. Toxicological Information.**

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
Oral LD50 13100 mg/kg (rat)  
Dermal LD50 >5000 mg/kg (rabbit)  
Inhalative LC50/4 h >21.0 mg/l (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

### **12. Ecological Information.**

- **General notes:**  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### **13. Disposal Consideration.**

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### **14. Transport Information.**

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1123
- **Packaging group:** III
- **Hazard label:** 3
- **Description of goods:** 1123 BUTYL ACETATES
- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1123
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Proper shipping name:** BUTYL ACETATES
- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1123
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** BUTYL ACETATES

**15. Regularity Information.**

- **Labelling according to EU guidelines:**

*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*

- **Risk phrases:**

*10 Flammable.*

*66 Repeated exposure may cause skin dryness or cracking.*

*67 Vapours may cause drowsiness and dizziness.*

- **Safety phrases:**

*2 Keep out of the reach of children.*

*25 Avoid contact with eyes.*

**16. Other Information** *This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*