

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

- **Product details**
- **Trade name:** n-butyl acetate
- **Manufacturer/Supplier:**  
 Petrochem Middle East FZE  
 PO Box 17028,  
 Jebel Ali Free Zone  
 Dubai, UAE  
 Ph +971 4 8839222; Fax +971 4 8834133
- **Further information obtainable from:** Product safety department.
- **Information in case of Emergency** 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
- **Index 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 Accidental 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.

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· **Measures for cleaning/collecting:** Dilute with plenty of water.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special requirement
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.

### 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

#### 123-86-4 n-butyl acetate

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

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## 9 Physical and chemical properties

### · General Information

**Form:** Fluid  
**Colour:** Colourless  
**Odour:** Fruit-like

### · Change in condition

**Melting point/Melting range:** -76°C  
**Boiling point/Boiling range:** 124-128°C

· **Flash point:** 27°C

· **Ignition temperature:** 370°C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

### · Explosion limits:

**Lower:** 1.2 Vol %  
**Upper:** 7.5 Vol %

· **Vapour pressure at 20°C:** 10.7 hPa

· **Density at 20°C:** 0.88 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water at 20°C:** 5 g/l

· **pH-value (5 g/l) at 20°C:** 5

### · Viscosity:

**Dynamic at 20°C:** 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.

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## 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 considerations

· **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
- **Marine pollutant:** No
- **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

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## Safety Data Sheet

According to 91/155 EEC

Printing date 24.06.2009

Revision: 24.06.2009

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**· Proper shipping name: BUTYL ACETATES**

### 15 Regulatory 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.

- Department issuing MSDS:** Product safety department
- Contact:** Mr. Menon

UAE