

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
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## MATERIAL SAFETY DATA SHEET (MSDS)

### n-BUTYL ACETATE LR (1-BUTYL ACETATE)

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

##### 1.1. Product identifier

Trade name : n-BUTYL ACETATE LR (1-BUTYL ACETATE)

Product code : SS0110800500

Identification of the product : n-Butyl Acetate  
CAS No :123-86-4  
EC No :204-658-1

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

##### 1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

##### 1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

#### 2. Hazards identification -DSD

##### 2.1. Classification of the substance or mixture

###### Classification EC 67/548 or EC 1999/45

Classification : R10  
R66  
R67

###### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -  
Warning (CLP : STOT SE 3) H336

Physical hazards : Flammable solids - Category 2 - Warning (CLP : Flam. Sol. 2) H228  
Flammable liquids - Category 3 - Warning (CLP : Flam. Liq. 3) H226

##### 2.2. Label elements

###### Labelling EC 67/548 or EC 1999/45

**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**2. Hazards identification -DSD (continued)**
**Symbol(s)**

**Symbol(s)**

: F : Highly flammable

**R Phrase(s)**

: R10 : Flammable.

R66 : Repeated exposure may cause skin dryness or cracking.

R67 : Vapours may cause drowsiness and dizziness.

**S Phrase(s)**

: S25 : Avoid contact with eyes.

**Contains**

: n-Butyl Acetate

**Labelling Regulation EC 1272/2008 (CLP)**
**Hazard pictograms**

**Signal words**

: Warning

**Hazard statements**

: H226 : Flammable liquid and vapour.

H228 : Flammable solid.

H336 : May cause drowsiness or dizziness.

**Precautionary statements**
**• Prevention**

: P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating, lighting, ..., equipment.

P210: Keep away from heat, sparks, open flames or hot surfaces. - No smoking.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P233: Keep container tightly closed.

**• Response**

: P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378: In case of fire: Use for extinction.

**• Storage**

: P403+P233: Store in well-ventilated place. Keep container tightly closed.

P403+P235: Store in well-ventilated place. Keep cool.

P405: Store locked up.

**• Disposal considerations**

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Contains**

: n-Butyl Acetate

**2.3. Other hazards**
**Other hazards**

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

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### MATERIAL SAFETY DATA SHEET (MSDS)

#### n-BUTYL ACETATE LR (1-BUTYL ACETATE)

#### 3. Composition/information on ingredients

**Substance / Preparation** : n-Butyl Acetate  
CAS No :123-86-4  
EC No :204-658-1  
Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
n-Butyl Acetate	> 99 %	123-86-4	204-658-1	----	----	R10 R66 R67 Flam. Liq. 3 _ H226 STOT SE 3 _ H336 STOT RE _ EUH066

Contains no other components or impurities which will influence the classification of the product.

#### 4. First aid measures

##### 4.1. Description of first aid measures

**Inhalation** : Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

**Skin contact** : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

##### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms relating to use** : May cause drowsiness or dizziness.  
Repeated exposure may cause skin dryness or cracking.

##### 4.3. Indication of any immediate medical attention and special treatment needed

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### 5. Fire-fighting measures

##### 5.1. Extinguishing media

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

##### 5.2. Special hazards arising from the substance or mixture

**Flammable class** : Flammable solid.

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**5. Fire-fighting measures (continued)**
**5.3. Advice for fire-fighters**

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

- For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.  
Avoid breathing dust, fume, gas, mist, vapours, spray.
- Technical measures** : Use special care to avoid static electric charges.
- Special precautions** : Remove ignition sources. No naked lights. No smoking.
- For non-emergency personnel** : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

- Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

- Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.  
Handle empty containers with care because residual vapours are flammable.  
Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.  
Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. Use explosion-proof electrical, ventilating, lighting, ..., equipment.

## MATERIAL SAFETY DATA SHEET (MSDS)

### n-BUTYL ACETATE LR (1-BUTYL ACETATE)

#### 7. Handling and storage (continued)

**Special precautions** : No naked lights. No smoking.  
 Avoid breathing dust, fume, gas, mist, vapours, spray.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place.  
 Ground/bond container and receiving equipment. Keep container tightly closed.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources.

#### 7.3. Specific end use(s)

**Specific end use(s)** : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

##### 8.2. Control parameters

**Occupational Exposure Limits** : No data available.

#### 9. Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

**Physical state at 20 °C** : Liquid

**Colour** : Colorless

**Odour** : Characteristic.

**Odour threshold** : No data available.

**pH value** : Not applicable.

**Melting point [°C]** : - 78 °C - lit.

**Decomposition point [°C]** : No data available.

**Critical temperature [°C]** : Not applicable.

**Auto-ignition temperature [°C]** : No data available.

**Flammability (solid, gas)** : Flammable liquid and vapour.  
 Flammable solid.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**9. Physical and chemical properties (continued)**

Flash point [°C]	: 23 °C - closed cup
Initial boiling point [°C]	: 124 - 126 °C - lit.
Final boiling point [°C]	: Not applicable.
Evaporation rate	: 1
Vapour pressure [20°C]	: 20 hPa at 25 °C
Vapour density	: 4,01 - (Air = 1.0)
Density [g/cm <sup>3</sup> ]	: 0,88 g/cm <sup>3</sup> at 25 °C
Relative density, liquid (water=1)	
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: log Pow : 1,82
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.

**9.2. Other information**

Explosive properties	: No data available.
Explosion limits - upper [%]	: Upper explosion limit : 7,6 %(V)
Explosion limits - lower [%]	: Lower explosion limit : 1,7 %(V)
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity**

Reactivity	: Not established.
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**10.2. Chemical stability**

Chemical stability	: Stable under recommended storage conditions.
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**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
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**10.4. Conditions to avoid**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
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**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
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**10.6. Hazardous decomposition products**

Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.
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**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**11. Toxicological information**
**11.1. Information on toxicological effects**

<b>Acute toxicity</b>	: LD50-oral-rat-10700-14130 mg/kg
• <b>Inhalation</b>	: LC50-inhalation-rat-4h- >21 mg/L
• <b>Dermal</b>	: LD50-Dermal-rabbit-17600 mg/kg
• <b>Ingestion</b>	: Based on available data, the classification criteria are not met.
<b>Corrosion</b>	: Based on available data, the classification criteria are not met.
<b>Irritation</b>	: Repeated exposure may cause skin dryness or cracking.
<b>Sensitization</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: May cause drowsiness or dizziness.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

**Toxicity information** : Not established.

**12.2. Persistence - degradability**

**Persistence - degradability** : Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

**12.4. Mobility in soil**

**Mobility in soil** : Not established.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.



**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**13. Disposal considerations**
**13.1. Waste treatment methods**

<b>General</b>	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
<b>Special precautions</b>	: Handle empty containers with care because residual vapours are flammable.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

<b>Proper shipping name</b>	: BUTYL ACETATES
<b>UN N°</b>	: 1123
<b>H.I. nr</b>	: 30
<b>ADR - Class</b>	: 3
<b>Labelling - Transport</b>	: 3 : Flammable liquid.



<b>ADR - Classification code</b>	: F1 F1
<b>ADR - Group</b>	: III
<b>ADR - Packing instructions</b>	: P001 R001 LP001
<b>ADR - Limited Quantity</b>	: 5 L
<b>ADR - Tunnel code</b>	



: D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

**14.2. Sea transport (IMDG) [English only]**

<b>Proper shipping name</b>	: BUTYL ACETATES
<b>UN N°</b>	: 1123
<b>IMO-IMDG - Class or division</b>	: 3 : Flammable liquid.
<b>IMO-IMDG - Packing group</b>	: III
<b>IMO-IMDG - Packing instructions</b>	: P001 LP01
<b>IMO-IMDG - Limited quantities</b>	: 5 L
<b>IMO-IMDG - Marine pollution</b>	: No



**MATERIAL SAFETY DATA SHEET (MSDS)**
**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**
**14. Transport information (continued)**

EMS-Nr : F-E S-D

**14.3. Air transport (ICAO-IATA) [English only]**

Proper shipping name : BUTYL ACETATES

UN N° : 1123

IATA - Class or division : 3 : Flammable liquid.

IATA - Packing group : III

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing instruction : 355

- Passenger and Cargo - Maximum Quantity/Packing : 60 L

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 366

- Cargo only - Maximum Quantity/Packing : 220 L

IATA - Limited Quantities : 10 L

ERG-Nr : 3L

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

**15.2. Chemical Safety Assessment**

Chemical Safety Assessment : It has not been carried out.

**16. Other information**

Revision : Revision - See : \*

 Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.  
 vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

 List of relevant R phrases (heading 3) : R10 : Flammable.  
 R66 : Repeated exposure may cause skin dryness or cracking.  
 R67 : Vapours may cause drowsiness and dizziness.

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**MATERIAL SAFETY DATA SHEET (MSDS)**

**n-BUTYL ACETATE LR (1-BUTYL ACETATE)**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**