



SAFETY DATA SHEET

BUTYL ACETATE

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: BUTYL ACETATE

Recommended use: Chemical for industrial

Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Danger

Hazard statement(s):

- 1.) Highly flammable liquid and vapour.
- 2.) Harmful if inhaled.
- 3.) May cause drowsiness or dizziness.
- 4.) Respiratory tract irritation, skin irritation, eye irritation, central nervous system depression.
- 5.) Vapour may cause flash fire.
- 6.) The mixture of the vapour with air when exposed to naked fire or heat has a risk of fire and explosion.
- 7.) Harmful to the environment
- 8.) Special attention to water pollution.

Precautionary statement(s):

- 1.) Keep away from heat/sparks/open flames/hot surfaces. - No smoking.



- 2.) Keep container tightly closed.
- 3.) Ground/bond container and receiving equipment.
- 4.) Use explosion-proof electrical/ventilating/lighting/equipment.
- 5.) Use only non-sparking tools.
- 6.) Take precautionary measures against static discharge.
- 7.) Avoid breathing dust/fume/gas/mist/vapours/spray.
- 8.) Use only outdoors or in a well-ventilated area.
- 9.) Wear protective gloves/protective clothing/eye protection/face protection.
- 10.) IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 11.) IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- 12.) Call a POISON CENTER or doctor/if you feel unwell.
- 13.) Store in a well-ventilated place. Keep container tightly closed.
- 14.) Store in a well-ventilated place. Keep cool.
- 15.) Store locked up.
- 16.) Dispose of contents and container in accordance with local regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Acetic acid; n-butyl ester, Acetic acid butyl ester, Butyl acetate, 1- Butyl acetate, Butyl ethanoate.

Ingredients	% (w/w)	CAS NO.
BUTYL ACETATE	100	123-86-4

4. FIRST AID MEASURES

General advice: No data available.

Inhalation: Remove to fresh air. Keep airways clear. Give artificial respiration if not breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

Skin contact: Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eye contact: If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Obtain medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Never make an unconscious person vomit or drink fluid. If person is unconscious, turn head to side. Get medical attention immediately.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

Unsuitable Extinguishing Media:

No data available.

Specific hazards arising from Chemicals:

Carbon oxides. The vapour is heavier than air. Vapours or gases may ignite at distant ignition sources and flash back. Vapour/air mixtures are explosive above flash point.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulation to form explosive concentration. Vapours can accumulate in low areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Material for Containment and Clean Up:

Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

Large spills: Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep put of low areas. Keep out for 800m in directions. Emergency response team should wear respirators and appropriate chemical resistant clothing and should avoid direct contact with released product.

7. HANDING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition-No smoking. Take measures to prevent the build up of electrostatic charge.

**Conditions for Safe Storage & Unsuitable Materials:**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: TWA 150 ppm

Appropriate Engineering Controls: Safety shower and eye bath. Mechanical exhaust required.

Individual Protection Measures

Respiratory protection: Use a full-face supplied air respirator.

Hand protection: Wear impervious chemical resistant gloves.

Eye protection: Wear chemical goggles.

Skin and body Protection: Wear appropriate chemical resistant clothing.

Hygiene measure: No smoking, eating or drinking in work areas. Wash thoroughly with soap and water after work. Attention to personal hygiene. Perform body-checks before employment and regularly. Entry to tanks and other high concentration areas should have monitoring staff.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor: liquid, colourless, fruity odor.	Evaporation rate : N/A
Melting Point: -77.9 °C	Specific gravity : 0.878-0.883 g/cm ³ at 20 °C
pH: N/A	Solubility in water : Slightly Soluble
Boiling point : 126.1 °C	Viscosity : N/A
Vapour pressure : 2.00 kPa at 25 °C	Vapour density : 4.1 (Air = 1)
Lower explosion limits : 1.2 %Vol	Upper explosive limit : 7.5 %Vol
Auto-ignition temperature : N/A	Flash point : 22 °C
Odour threshold : N/A	Flammability (solid, gas) : N/A
Decomposition temperature : N/A	Solubility in other solvents : Soluble in alcohol, ether, benzene, hydrocarbons and most organic solvents.
n-octanol/water partition coefficient (log P_{ow}) : N/A	



10. STABILITY AND REACTIVITY

- Chemical Stability:** Stable under condition recommended.
- Reactions:** Stable at normal temperature and pressure.
- Possibility of Hazardous Reactions:** Will not polymerize.
- Conditions to avoid:** Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat.
- Materials to be avoided:** Strong oxidizing agents, strong reducing agents, strong bases, combustible materials, peroxides and other polymerization initiators, oxidizing materials, acids, bases.
- Hazardous Decomposition Products:** Oxides of carbon

11. TOXICOLOGICAL INFORMATION

- Acute toxicity:** LD50 (Oral, rat): 10768 mg/kg
LD50 (Skin, rabbit): >17600 mg/kg
LC50 (Inhalation, rat): 160 ppm, 390 ppm-4h
- Sensitization:** Irritant: inhalation, skin, eye. Slightly toxic: ingestion, highly toxic: inhalation.
Target organs: central nervous system.
- Chonic toxicity:** Kidney disorders, liver disorders, respiratory disorders.
- Further toxicological information:** No data available.

12. ECOLOGICAL INFORMATION

- Toxicity**
- Toxicity to fish: LC50 - Lepomis macrochirus: 100 mg/l - 96h
- Toxicity to daphnia and other aquatic invertebrates:
EC50 - Daphnia magna: 72.8 – 205 mg/l - 24h
- Toxicity to algae: No data available.
- Toxicity to bacteria: No data available.
- Biodegradability remark: No data available.
- Bioaccumulative potential: No data available.
- Mobility: No data available.
- Affected in any other way: No data available.

**13. DISPOSAL CONSIDERATIONS**

- Material Disposal:** Dispose of in manner consistent with federal, state, and local regulation. Burning method is recommended.
- Container Disposal:** Disposal in compliance with official regulations.

14. TRANSPORT INFORMATION**ADR/RID**

UN-No: 1123 Class: 3 Packing group: II
 Proper shipping name: BUTYL ACETATES

IMDG

UN-No: 1123 Class: 3 Packing group: II
 Ems: F-E S-D Marine pollutant: -
 Proper shipping name: BUTYL ACETATES

IATA

UN-No: 1123 Class: 3 Packing group: II
 Proper shipping name: BUTYL ACETATES

15. REGULATORY INFORMATION

Component	CHINA	TSCA	ENCS	EINECS
Butyl Acetate	✓	✓	✓	✓

Note1:

CHINA – China Inventory of Existing Chemical Substances

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

ENCS – Japan Existing and New Chemical Substances

EINECS – European Inventory of Existing Commercial Chemical Substances

Note2:

- ✓ Indicates that the substance included in the regulations
- That no data or included in the regulations



《化学危险物品安全管理条例》(published by Congress on 17 February 1987) has made provisions on the safe production, application, storage, transportation and other aspects of chemical dangerous goods.

《常用危险化学品的分类及标志》(GB13690-2007) has classified ethyl acetate as Class 3.2 flammable liquid at flash point.

16. OTHER INFORMATION

Modern Chemical Co.,Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensive 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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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