



SAFETY DATA SHEET

BUTYL CELLOSOLVE

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

Product name: BUTYL CELLOSOLVE

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.) Causes skin irritation.
- 2.) May be fatal if swallowed and enters airways.
- 3.) May cause drowsiness or dizziness.
- 4.) Toxic to aquatic life with long lasting effects.
- 5.) May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.



- 3.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.
- 4.) IF IN EYES: Rinse cautiously with water for 15 minutes.
- 5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: 2-Butoxyethanol, Butyl glycol, EB Solvent, Butyl Glycol Ether

Ingredients	% (w/w)	CAS NO.
BUTYL CELLOSOLVE	100	111-76-2

4. FIRST AID MEASURES

- General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.
- Skin contact:** Wash off with soap and plenty of water. Consult a physician.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion:** **Do NOT induce vomiting.** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

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

Unsuitable Extinguishing Media:

No data available

Specific hazards arising from Chemicals:

Carbon oxides

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURE

- 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 accumulating to form explosive concentrations. 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:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. HANDLING 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available

Appropriate Engineering Controls: The product should only be used in ventilation hoods and fans.

Individual Protection Measures

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory and components test and approved under appropriate government standards such as NIOSH (USA) or CEN (EU). Require when vapors/aerosols are generated. Recommended Filter type: FilterA-(P2).

Hand protection: Handle with gloves. In case full contact wear gloves from nitrile rubber material, in splash contact wear gloves from polychloprene material. The select protective gloves have to satisfy the specifications of EU Directive 89/686 EEC and standard EN 374 derived from it.

Eye protection: Goggles giving complete protection to eyes.

Skin and body protections: Chemical resistant apron / flame retardant antistatic protective clothing, heavy duty work shoes.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end workday. Keep away from food, drink.



9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, Colorless , Characteristic	Evaporation rate : 6 (n-Bu Acetate = 100)
Melting Point : -70 °C	Specific gravity : 0.898-0.904 g/cm ³ at 20 °C
pH : N/A	Solubility in water : Soluble
Boiling point : 165-175 °C	Viscosity : 5.31 mPa.sec at 20 °C
Vapour pressure : 0.8 mmHg at 20 °C	Vapour density (air=1) : 4.0 g/l
Lower explosive limits : 1.1%Vol	Upper explosive limits : 12.7%Vol
Auto-ignition temperature :238°C	Flash point : 62 °C
Odour threshold : N/A	Flammability (solid, gas) : N/A
Decomposition temperature : N/A	Solubility in other solvents : N/A
n-octanol/water partition coefficient (log P_{ow}) : N/A	

10. STABILITY AND REACTIVITY

Chemical Stability:	No data available
Reactions:	No data available
Possibility of Hazardous Reactions:	No data available
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 (oral, rat): 1480 mg/kg
Sensitization:	No data available
Chronic toxicity:	No data available
Further toxicological information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: LC50 - other fish - 220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) - 1.815 mg/l - 24 h



Toxicity to algae	No data available
Toxicity to bacteria	No data available
Biodegradability Remarks:	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: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Container Disposal: Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/ADNR

Not dangerous goods

IMGD

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

GHS-Labeling

Hazard statement(s):

No data available

Precautionary statement(s):

No data available

R - phrase(s):

No data available

S - phrase(s):

No data available



16. Other Information

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