



SAFETY DATA SHEET

CELLOSOLVE ACETATE

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

Product name: CELLOSOLVE ACETATE
Recommended use: Chemical for industrial
Manufacturer/Supplier: **MODERN CHEMICAL CO.,LTD.**
82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63,
Klong Tan Nuea, Watthana, Bangkok 10110
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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: Ethylene glycol monoethyl ether acetate, Ethyl glycol acetate, Acetic acid 2-ethoxyethyl ester, "oxitol" acetate, EGMEEA

Ingredients	% (w/w)	CAS NO.
CELLOSOVLE ACETATE	100	111-15-9

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: 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:

No data available

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. Evacuate personnel to safe 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:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Avoid inhalation of vapour or mist. Avoid exposure - obtain special instructions before use. 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

National occupational exposure limits: TWA 10 ppm (55 mg/m³)

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

Individual Protection Measures

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Handle with gloves.



- Eye protection:** Face shield and safety glasses
- Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, colourless, fruity	Evaporation rate : 21 (n-Bu Acetate = 100)
Melting Point : (-61) - (-63) °C	Specific gravity : 0.970-0.976 g/cm ³ at 20 °C
pH : N/A	Solubility in water : Soluble 230 g/l 20 °C
Boiling point : 150 - 160 °C	Viscosity : 1.35 mPa.sec at 20 °C
Vapour pressure : 20 mbar at 20 °C	Vapour density : 4.6 g/l
Lower explosive limits: 1.7 %Vol	Upper explosive limits: 6.7 %Vol
Auto-ignition temperature: 380 °C	Flash Point: 57 °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:** Stable under recommended storage conditions.
- Reactions:** No data available
- Possibility of Hazardous Reactions:** No data available
- Conditions to avoid:** No data available
- Materials to avoid:** Strong oxidizing agents, Nitrates, Strong acids, Strong bases
- Hazardous decomposition products:**
Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

- Acute toxicity:** LD50 Oral - rat - 2900 mg/kg
LC50 Inhalation - rat - 8 h - 12.100 mg/m³



Sensitization: Harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. Causes eye irritation.

Chronic toxicity: No data available

Further toxicological information: No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: LC50 - Lepomis macrochirus - 1.300 mg/l - 96 h

Toxicity to algae: IC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 24 h

Toxicity to bacteria: LC50 - Pseudomonas putida - 1.170 mg/l - 16 h

Toxicity to daphnia and other aquatic invertebrates.

EC50 - Daphnia magna (Water flea) - 193,6 mg/l - 48 h

Biodegradability Remarks: According to the results of tests of biodegradability this product is considered as being readily biodegradable.

Bioaccumulative Potential: No data available

Mobility: No data available

Affected in any other way: Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Material Disposal This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Container Disposal: Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

UN-No: 1172

Class: 3

Packing group: III

Proper shipping name: ETHYLENE GLYCOL MONOETHYL ETHER ACETATE



IMDG

UN-No: 1172

Class: 3

Packing group: III

EMS-No: F-E S-D

Marine pollutant: No

Proper shipping name: ETHYLENE GLYCOL MONOETHYL ETHER ACETATE

IATA

UN-No: 1172

Class: 3

Packing group: III

Proper shipping name: Ethylene glycol monoethyl ether acetate

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H360Fd May damage fertility. Suspected of damaging the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.

P280 Wear protective gloves/protective clothing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Hazard symbol(s)

T Toxic

R-phrase(s)

R60 May impair fertility.

R61 May cause harm to the unborn child.

R20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.

S-phrase(s)

S53 Avoid exposure - obtain special instructions before use.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).



16. OTHER INFORMATION

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