



SAFETY DATA SHEET

METHYL ACETATE

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

Product name: METHYL 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.) Causes serious eye irritation.
- 3.) May cause drowsiness or dizziness.

Precautionary statement(s):

- 1.) Keep away from heat/sparks/open flames/hot surfaces/ignition sources. - 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.) Wash thoroughly after handling
- 9.) Use only outdoors or in a well-ventilated area.
- 10.) Wear protective gloves/protective clothing/eye protection/face protection.
- 11.) IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 12.) IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- 13.) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 14.) Call a POISON CENTER or doctor/if you feel unwell.
- 15.) If eye irritation persists: Get medical advice/attention.
- 16.) Store in a well-ventilated place. Keep container tightly closed.
- 17.) Store in a well-ventilated place. Keep cool.
- 18.) Store locked up.
- 19.) Dispose of contents and container in accordance with local regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: N/A

Ingredients	% (w/w)	CAS NO.
METHYL ACETATE	100	79-20-9

4. FIRST AID MEASURES

- General advice:** No data available.
- 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 MEASURES

Personal precautions:

Use personal protective. 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:

Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

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:

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. Store in cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No data available.

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: Protective work clothing.

Hygiene measure: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form,Color and Odor: liquid, colourless	Evaporation rate : N/A
Melting Point: -98.7°C	Specific gravity : 0.920-0.935 g/cm ³ at 20 °C
pH: N/A	Solubility in water : 31.9 g/100ml
Boiling: 57.8 °C	Viscosity : 0.385 mm ² /s
Vapour pressure: 13.33 MPa(9.4 °C)	Vapour density: 2.55 g/mL
Lower explosion limits: 3.1 %Vol	Upper explosive limit: 16 %Vol
Auto-ignition temperature: N/A	Flash point: -10 °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}): 0.18	

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: Heat, flames and sparks, extremes of temperature and direct sunlight.

Materials to be avoided: Strong oxidizing agents.

Hazardous Decomposition Products: No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 (Oral, rat): >5000 mg/kg

LD50 (Dermal, rabbit): >5000 mg/kg

Sensitization: Irritating to eye.

Chonic toxicity: No data available.

Further toxicological information: No data available.

**12. ECOLOGICAL INFORMATION****Toxicity**

Toxicity to fish: No data available.

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia Magna: 700-1000 mg/l-24h

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:** Dispose of in a manner consistent with federal, state, and local regulations.

Burning method is recommended.

Container Disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Burning method is recommended.

14. TRANSPORT INFORMATION**ADR/RID**

UN-No: 1231 Class: 3 Packing group: II

Proper shipping name: Methyl Acetate

IMDG

UN-No: 1231 Class: 3 Packing group: II

Proper shipping name: METHYL ACETATE

IATA

UN-No: 1231 Class: 3 Packing group: II

Proper shipping name: Methyl Acetate

15. REGULATORY INFORMATION

Component	CHINA	TSCA	ENCS	EINECS
Methyl 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

16. OTHER INFORMATION

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