

Safety Data Sheet: Ethyl Oleate

1. Identification

Product	Ethyl Oleate; CAS 111-62-6; EC 203-889-5
Use	Professional ester, cosmetic-carrier and specialty industrial formulation development.
Company	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Address	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / email	+86-21-54265599 / sales@zxchem.com.cn
Emergency contact	ZXCHEM office number above, office hours, China time (UTC+8). For urgent medical assistance contact local emergency services.
Scope	Reference safety information for Ethyl Oleate. The reference composition, concentration and supply-grade differences are described in Section 3. This document does not certify the composition or transport status of a specific delivered batch or a different formulation.

2. Hazards Identification

Classification	Not classified as a hazardous substance or mixture in the selected reference.
Signal word / symbols	No signal word assigned; No GHS pictogram in the selected reference
Hazard statements	No classified GHS hazard statements assigned in the selected substance reference. Avoid mist, prolonged contact and unnecessary exposure.
Prevention	Provide effective ventilation and avoid mist generation. Wear compatible protective gloves, splash goggles and work clothing. Avoid ingestion, prolonged skin contact and unnecessary eye exposure; wash after handling.
Response	After exposure, stop work and seek medical advice. For severe exposure obtain urgent medical care. Rinse contaminated skin or eyes with water; move an inhalation casualty to fresh air.
Environment	Prevent uncontrolled release to drains, soil or surface water. Collect spills for appropriate disposal.

3. Composition / Information on Ingredients

Reference ingredient	Ethyl oleate, CAS 111-62-6, EC 203-889-5. Selected substance reference up to 100%; no unverified impurity, solvent fraction or supply assay guarantee is assigned.
Supply grade	Ester grade with controlled physicochemical specifications
Applicability	The cited concentration or purity describes the reference material. It is not a certificate of analysis for the delivered batch; different solvents or dilutions require the matching supplier safety document.

4. First-Aid Measures

General	Protect the rescuer from exposure and show the product information to medical personnel. Obtain medical advice if symptoms occur or exposure is significant.
Inhalation	Move to fresh air and keep the person comfortable. Seek medical care for breathing difficulty or persistent symptoms. Avoid exposing rescuers to mist.
Skin	Remove contaminated clothing and rinse skin thoroughly with water. Seek medical advice for persistent irritation.
Eyes	Rinse gently with clean water for at least 15 minutes. Remove contact lenses when easy and continue rinsing. Seek medical advice if irritation persists.
Ingestion	Do not induce vomiting. Rinse mouth if conscious and contact a doctor for symptoms. Never give anything orally to an unconscious person.
Effects / treatment	No specific acute symptom is established by the reference. Direct contact or mist can cause discomfort; seek medical advice for persistent symptoms. Treatment is symptomatic and directed by a clinician.

5. Fire-Fighting Measures

Extinguishing media	Choose extinguishing media appropriate to the surrounding fire. Firefighters need protective clothing and self-contained breathing apparatus; cool exposed closed containers when safe.
Hazards	Heating or fire can release irritating gases and vapours. Avoid unnecessary heat and retain normal industrial hygiene controls.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personal protection	Provide effective ventilation and avoid mist generation. Wear compatible protective gloves, splash goggles and work clothing. Avoid ingestion, prolonged skin contact and unnecessary eye exposure; wash after handling.
Containment	Stop leakage when safe. Absorb liquid with compatible inert material and collect in labelled closed containers. Avoid splashes, mist and uncontrolled drainage.
Environment	Prevent drainage and uncontrolled release; use an approved disposal route.

7. Handling and Storage

Handling	Provide effective ventilation and avoid mist generation. Wear compatible protective gloves, splash goggles and work clothing. Avoid ingestion, prolonged skin contact and unnecessary eye exposure; wash after handling.
Storage	Store tightly closed in a cool, dry, ventilated place away from heat and strong oxidizers. Protect from excessive light and contamination; keep containers compatible with the ester.
Incompatibilities	Strong oxidizing materials; excessive heat and contamination.

8. Exposure Controls / Personal Protection

Exposure limits	No product-specific numerical occupational exposure limit is provided by the selected reference. Control mist and apply local workplace hygiene requirements.
Engineering controls	Use local extraction where mist can be generated. Maintain accessible eyewash and emergency washing facilities.
Personal protection	Wear chemical-resistant gloves selected for the task, suitable protective clothing and splash goggles. Add face protection for splash-prone tasks.
Respiratory protection	Use a properly selected respirator under a respiratory-protection program where engineering controls do not adequately limit airborne exposure.
Hygiene	Wash after handling, remove contaminated clothing promptly and do not eat, drink or smoke in the work area.

9. Physical and Chemical Properties

Appearance	Colourless to pale-yellow clear liquid
Formula / molecular weight	C20H38O2 / 310.51 g/mol
Physical state	Liquid
Density, reference at 20°C	Approximately 0.87 g/cm3
Flash point, reference	>110°C
Water solubility	Practically insoluble
Other properties	Product-specific values for odor threshold, vapor pressure, partition coefficient, autoignition temperature and viscosity are not supplied by the selected reference set. No values are inferred.

10. Stability and Reactivity

Stability	Handle and store under the recommended conditions. Prevent contamination and unnecessary heating.
Incompatibilities	Strong oxidizing materials; excessive heat and contamination.
Decomposition	Heating or fire can release irritating gases and vapours. Avoid unnecessary heat and retain normal industrial hygiene controls.

11. Toxicological Information

Exposure effects	No specific acute symptom is established by the reference. Direct contact or mist can cause discomfort; seek medical advice for persistent symptoms.
Reference classification	Not classified as a hazardous substance or mixture in the selected reference.
Data limits	Reference rat oral LD50 >5,000 mg/kg. Other quantitative acute, reproductive and chronic endpoints are not supplied by the selected document. A non-classified reference is not a finished-product safety assessment.

12. Ecological Information

Environmental effects	The selected reference provides no numerical aquatic toxicity, biodegradation or bioaccumulation result. Prevent environmental discharge and contain spills.
Controls	Prevent uncontrolled release, collect spills and dispose of contaminated material through an authorized route.
Assessment	No product-specific PBT/vPvB assessment is claimed. Absence of data does not establish absence of environmental effects.

13. Disposal Considerations

Product	Collect surplus product and contaminated cleanup material for disposal by an authorized chemical-waste contractor in accordance with local requirements.
Packaging	Containers may retain product residues. Do not reuse contaminated packaging without an approved cleaning process; use an authorized disposal route.

14. Transport Information

Classification	Non-dangerous goods
UN number	Not assigned
Shipping name	Not regulated as dangerous goods
Class / packing group	Road / rail, IMDG and IATA: non-dangerous goods for the matching substance reference; no UN number or packing group assigned.
Transport precautions	Protect packaging and closures from damage, secure loads and prevent releases. This reference is not a shipping declaration for a specific consignment.

15. Regulatory Information

Identity	Ethyl Oleate; CAS 111-62-6; EC 203-889-5
HS reference	291615; reference heading rather than a destination customs ruling.
Compliance	Apply applicable workplace, environmental and transport rules. A raw-material listing does not establish authorization for a finished formulation.
Assessment	No ZXCHEM-specific chemical safety assessment or destination registration is asserted.

16. Other Information

Hazard meanings	No classified GHS hazard statements assigned in the selected substance reference. Avoid mist, prolonged contact and unnecessary exposure.
Limitations	Prepared as reference safety information for the identified material. It is not a batch analytical certificate or safety assessment of a different solvent-containing formulation.
Revision	2026.1; prepared 2026-10-07. Customer-document branding and title corrected; technical safety data retained.
Document scope	Reference safety information for the material and grade described in Sections 1 and 3. Different concentrations, solvents or formulations require the applicable safety information. This is not a batch analytical certificate.

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