Safety Data Sheet: Emulsifier SP-1306F

1. Identification

Product	Emulsifier SP-1306F; CAS 78330-24-2; EC 616-610-0
Use	Industrial surfactant and formulation manufacture.
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 Emulsifier SP-1306F. 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	Skin corrosion Category 1; serious eye damage Category 1; acute aquatic hazard Category 1; chronic aquatic hazard Category 2.
Signal word / symbols	Danger; GHS05, GHS09
Hazard statements	H314: severe corrosive skin and eye injury. H400: very toxic to aquatic life. H411: persistent aquatic toxicity.
Prevention	Use adequate ventilation; avoid inhaling mist. Prevent skin and eye contact. Wear suitable chemical-resistant gloves and eye protection. Wash after handling; keep food and drink out of the work area.
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	Ethoxylated tridecyl alcohol phosphate, CAS 9046-01-9; CAS 78330-24-2 is an alternate reference identifier. Reference contains 90–100% phosphate ester and 1–5% phosphoric acid; these ranges do not certify actual commercial batch composition.
Supply grade	Low-moisture acid-form emulsifier
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. Obtain urgent treatment for chemical burns.
Eyes	Rinse gently with clean water for at least 15 minutes. Remove contact lenses when easy and continue rinsing. Obtain urgent medical care.
Ingestion	Rinse the mouth. Do not induce vomiting. Give nothing by mouth to an unconscious person. Obtain emergency medical attention.
Effects / treatment	Corrosive skin and eye injury; environmentally hazardous concentrated surfactant. Treatment is symptomatic and directed by a clinician.

5. Fire-Fighting Measures

Extinguishing media	Use water spray, foam, dry chemical or carbon dioxide suited to the surrounding fire.
Hazards	Thermal decomposition may generate carbon and phosphorus oxides.
Protection	Firefighters require suitable protective clothing and self-contained breathing equipment. Prevent contaminated firefighting water entering drains.

6. Accidental Release Measures

Personnel	Isolate the spill and provide ventilation. Use chemical-resistant gloves and eye protection; avoid contact and mist exposure.
Environment	Contain the release and protect drains and waterways. Report significant environmental contamination to the responsible authority.
Cleanup	Stop the leak if safe. Absorb liquid with a compatible inert material and collect in closed labelled containers. Do not wash into drains.

7. Handling and Storage

Handling	Use controlled liquid transfer with adequate ventilation. Wear acid-resistant gloves, protective clothing and eye/face protection. Avoid splashes and aerosol formation; provide eyewash and emergency washing facilities. Control heat during neutralization.
Storage	Store tightly closed in compatible original containers in a cool, dry, ventilated area with secondary containment. Segregate strong oxidizers and alkalis; protect from excessive heat and contamination.
Incompatibilities	Strong oxidizers and alkalis; uncontrolled neutralization.

8. Exposure Controls / Personal Protection

Exposure limits	Assess liquid mist and any residual acid exposure. The reference includes phosphoric-acid limits; current local limits and actual composition determine workplace controls.
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	Clear or hazy pale yellow to brown liquid
State	Acid-form liquid surfactant
Molecular identity	Variable ethoxylated phosphate ester distribution

10. Stability and Reactivity

Stability	Handle and store under the recommended conditions. Prevent contamination and unnecessary heating.
Incompatibilities	Strong oxidizers and alkalis; uncontrolled neutralization.
Decomposition	Thermal decomposition may generate carbon and phosphorus oxides.

11. Toxicological Information

Exposure effects	Corrosive skin and eye injury; environmentally hazardous concentrated surfactant.
Reference classification	Skin corrosion Category 1; serious eye damage Category 1; acute aquatic hazard Category 1; chronic aquatic hazard Category 2.
Toxicological data	Corrosive skin and eye injury is the principal health hazard in the selected concentrated reference. Absence of other classification does not establish absence of effects.

12. Ecological Information

Environmental effects	Acute and chronic aquatic toxicity are classified. Contain spills and prevent concentrated discharge; a surfactant function does not establish environmental harmlessness.
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	Class 8 — Corrosive
UN number	UN 3265
Shipping name	Corrosive liquid, acidic, organic, n.o.s. (ethoxylated phosphate ester)
Class / packing group	UNRTDG, IMDG, IATA and US DOT: Class 8, packing group II. IMDG marine pollutant: yes.
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	Emulsifier SP-1306F; CAS 78330-24-2; EC 616-610-0
HS reference	340239; reference heading rather than a destination customs ruling.
Compliance	Apply applicable workplace, environmental and transport rules. A raw-material listing does not establish finished-product authorization.
Assessment	No ZXCHEM-specific chemical safety assessment or destination registration is asserted.

16. Other Information

Hazard meanings	H314: severe corrosive skin and eye injury. H400: very toxic to aquatic life. H411: persistent aquatic toxicity.
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	2026.2; prepared 2026-10-06. 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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