

## Safety Data Sheet (MSDS)

(According to GB/T 16483 and GB/T 17519; Adapts to GHS, IMDG, IATA Standards)

### Polyether Defoamer SPO-30

#### SECTION 1: Identification

##### 1.1 Product Identifiers

- Product Name: Polyether Defoamer SPO-30
- Product Number: SPO30-CAS74499346-202703
- Brand: SIGALD
- CAS-No.: 74499-34-6
- Synonyms: Polyether Antifoaming Agent SPO-30; PEO-PPO Block Copolymer Defoamer
- Chemical Family: Polyether Polymer Mixture

##### 1.2 Details of the supplier of the safety data sheet

- Company : NEWAY SINOPHC TECH. LIMITED
- RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI)PILOT FREE TRADE ZONE.
- Telephone : +86-021-50350029
- Fax : +86-021-50350029

##### 1.3 Emergency telephone

Emergency Phone # : +86-021-50350029  
(CHEMTREC)

##### 1.4 Uses & Restrictions

- Identified Uses: Defoaming in industrial processes (wastewater treatment, coating, printing, dyeing, food processing, chemical synthesis); foam suppression in aqueous systems.
- Uses Advised Against: Pharmaceutical, food, or direct oral consumption without approval.

#### SECTION 2: Hazards Identification

2.1 GHS Classification: Skin irritation (Category 3); Eye irritation (Category 3) 2.2 GHS Label Elements

- Hazard Pictogram: None
- Signal Word: WARNING
- Hazard Statements: H316 (Causes mild skin irritation); H320 (Causes mild eye irritation)
- Precautionary Statements: P264, P280, P305+P351+P338

2.3 Physical/Chemical Hazards: Non-flammable; stable under normal conditions; no explosion risk. 2.4 Health Hazards: Mild skin/eye irritation in sensitive individuals; no acute/chronic toxicity; inhalation of mist may cause slight respiratory discomfort. 2.5 Environmental Hazards: Low toxicity to aquatic organisms; fully biodegradable (BOD<sub>5</sub> /COD > 0.5); no eutrophication risk.

#### SECTION 3: Composition/Information on Ingredients



# NEWAY SINOPHC TECH. LIMITED

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- Substance/Mixture: Mixture | Main Component | Content (w/w) | CAS-No. | Hazard Classification | |-----|-----|-----|-----| | Polyoxyethylene-Polyoxypropylene Block Copolymer | 98.0-100.0% | 74499-34-6 | Skin Irrit. 3; Eye Irrit. 3 | | Trace Stabilizers | ≤ 0.5% | N/A | Non-hazardous |

## SECTION 4: First Aid Measures

- Inhaled: Move to fresh air; no special treatment if no discomfort; consult a doctor if coughing persists.
- Skin Contact: Rinse skin with plenty of running water for 5-10 minutes; wash contaminated clothing before reuse.
- Eye Contact: Rinse eyes thoroughly with water/normal saline for 10 minutes; remove contact lenses if present; consult a doctor if irritation continues.
- Swallowed: Rinse mouth with water; do not induce vomiting; drink plenty of water to dilute; seek medical attention if abdominal discomfort occurs.

## SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: Water spray, foam, carbon dioxide (CO<sub>2</sub>), dry powder.
- Unsuitable Media: No restrictions.
- Special Hazards: Non-combustible; decomposes above 250°C releasing non-toxic carbon oxides.
- Firefighter Advice: Wear standard fire-fighting gear; cool containers with water spray if involved in fire.

## SECTION 6: Accidental Release Measures

- Personal Precautions: Wear nitrile gloves and safety glasses for large spills.
- Environmental Precautions: Prevent runoff into sewers/rivers; product is biodegradable, no long-term pollution.
- Cleanup: Small spill - absorb with inert materials (sand, vermiculite) and dispose as non-hazardous waste; large spill - dike and transfer to sealed containers for reuse or disposal.

## SECTION 7: Handling and Storage

- Handling: Operate in well-ventilated area; avoid splashing; no special safety measures for routine use.
- Storage: Cool, dry warehouse (5-35°C); keep container tightly closed; avoid direct sunlight and high temperature (>40°C); store separately from strong oxidizing agents.
- Shelf Life: 24 months (unopened, specified conditions); 6 months after opening.

## SECTION 8: Exposure Controls/Personal Protection

- PPE: Safety glasses and nitrile gloves for large-scale handling; respiratory protection not required under normal conditions.
- Engineering Controls: Basic ventilation sufficient; no special equipment needed.

## SECTION 9: Physical and Chemical Properties

- Physical State: Liquid; Color: Colorless to pale yellow; Odor: Odorless
- pH (1% Solution): 5.0-8.0; Density (25°C): 0.95-1.05 g/cm<sup>3</sup>; Viscosity (25°C): 500-2000 mPa·s
- Boiling Point: > 200°C; Flash Point: ≥ 150°C; Solubility: Partially soluble in water (miscible in most organic solvents)
- Decomposition Temperature: > 250°C; Vapor Pressure (25°C): < 0.1 hPa

## SECTION 10: Stability and Reactivity

- Stability: Stable under normal storage/handling; no polymerization risk.
- Incompatibilities: Strong oxidizing agents (high concentration); strong acids (pH <3).
- Hazardous Decomposition Products: CO, CO<sub>2</sub> (above 250°C).

## SECTION 11: Toxicological Information

- Acute Toxicity: Oral (Rat, LD<sub>50</sub>): > 10,000 mg/kg; Dermal (Rabbit, LD<sub>50</sub>): > 20,000 mg/kg
- Skin/Eye Irritation: Mild irritation, reversible within 24-48 hours.

## SECTION 12: Ecological Information

- Fish (Zebrafish, LC<sub>50</sub>): > 5000 mg/L (96h); Biodegradability: Biodegradation rate >70% in 28 days.

## SECTION 13: Disposal Considerations

- Product Waste: Classified as non-hazardous waste; dilute with water and discharge to municipal wastewater treatment systems or dispose via licensed facilities.
- Packaging Waste: Rinse thoroughly; recycle as non-hazardous waste or dispose of as municipal solid waste.

## SECTION 14: Transport Information

- UN Number: - (Not dangerous goods)
- Transport Class: -; Packaging Group: -
- UN Proper Shipping Name: Non-dangerous goods (Polyether Defoamer SPO-30)
- Special Precautions: Transport at 0-40°C; avoid collision and direct sunlight.

## SECTION 15: Regulatory Information

- National Regulations: Complies with China Hazardous Chemical Safety Management Regulation (non-hazardous); meets industrial defoamer standards.
- International Regulations: GHS Rev.9 (Irritation 3); REACH (not in SVHC List); TSCA (listed).

## SECTION 16: Other Information

- Revision Date: 20 JAN 2026
- Disclaimer: Based on current scientific knowledge; supplier not liable for improper use