

Material Safety Data Sheet

Section 01. Identification of the substance/mixture and the company/undertaking

Product Name: PFPE Oil TOPDA C Grades
Use of product: Cosmetic Additives
Company details:
Manufacturer/Supplier: Fuzhou Topda New Material Co., Ltd
Address: 17-16, C3# Building, Cangshan Wanda Plaza, 216 Pushang Avenue,
Fuzhou
Telephone number: +86-591-86396155
Fax number: +86-591-86396155
Emergency telephone number: +86-591-15859107755
Email: contact@fluorochemie.com

Section 02. Composition/information on ingredients

Chemical Name	CAS No.	Concentration
Perfluoropolyether	69991-67-9	100%

Section 03. Hazards identification

Eye Contact Eye contact may cause slight irritation.
Skin Contact Skin contact may cause slight irritation.
Inhalation Inhalation of vapors or mists may cause respiratory tract irritation.
Ingestion Not an expected exposure route. Ingestion may cause nausea and vomiting.

Section 04. First aid measures

Skin contact Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes.
Eye contact Flush eyes for 15 minutes with copious amounts of water, retracting eyelids often. Seek medical attention if irritation persists.
Inhalation If symptoms of irritation, discomfort or overcome by exposure, remove affected person to fresh air. Give oxygen or artificial respiration as needed.

Ingestion	If conscious, drink three to four 8 ounce glasses of water or milk. Call a physician. If unconscious, immediately take affected person to a hospital. Do not give anything by mouth to an unconscious person.
General advice	When symptoms persist or in all cases of doubt seek medical advice.

Section 05. Fire-fighting measures

Flammable Properties	Not determined
Flash point Method	Pensky-Martens closed cup - PMCC does not flash
Thermal decomposition	ca. 350°C (662°F)
Fire and Explosion Hazard	fire conditions, toxic decomposition products may be formed. (see also section 10)
Suitable extinguishing media	The product itself does not burn. Use extinguishing measures that appropriate to local circumstances and the surrounding environment.
Firefighting Instructions	Wear self-contained breathing apparatus (SCBA). Wear suitable protective equipment. Standard procedure for chemical fires.

Section 06. Accidental release measures

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Cleanup	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Accidental Release Measures	Prevent material from entering sewers, waterways, or low areas.

Section 07. Handling and Storage

Handling (Personnel)	Avoid breathing vapors from overheated material. General industrial hygiene practice.
Storage	No special storage conditions required. Keep container closed to prevent contamination. No decomposition if stored and applied as directed.

Section 08. Exposure controls/personal protection

Engineering controls	In the event that the polymer is heated above 350°C (662° F), local ventilation should be used to avoid exposure to fumes.
Personal protective equipment	
Respiratory protection	No personal respiratory protective equipment normally required. In the case of hazardous fumes caused by overheating, wear self-contained breathing apparatus.
Hand protection	Additional protection: No particular glove type is recommended, but nitrile

Eye protection may used.
 Safety glasses Skin and body protection No risk is specified however, avoid contact with skin, eyes, and clothing. Preventive skin protection

Section 09. Physical and chemical properties

Form: Clear viscous liquid
Color: Colorless
Odor: Odorless
pH: Neutral
Pour point: ca. -20°C
Specific Gravity: ca.1.90 at 20°C
Water solubility: Insoluble

Section 10. Stability and reactivity

Stability Stable under recommended storage conditions.
Conditions to avoid Decomposition temperature 350°C (662°F)
Hazardous decomposition Products Hazardous thermal decomposition products: Fluorinated compounds

Section 11. Toxicological properties

Dermal ALD ca. > 17,000 mg/kg , rabbit
Oral LD50 > 37,400 mg/kg , rat
Inhalation 4 h ALC ca. > 19.54 mg/l , rat
Skin irritation slight irritation, rabbit
Eye irritation slight irritation, rabbit
Skin sensitization Patch test on human volunteers did not demonstrate sensitization properties.
Mutagenicity Did not cause genetic damage in cultured bacterial cells.

Further information The substance is a polymer and is not expected to produce toxic effects.

Section 12. Ecological information

Aquatic Toxicity Perfluoropolyether

96 h LC50 Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l The substance is a polymer and is not expected to produce toxic effects.
48 h EC50 Daphnia magna (Water flea) > 1,000 mg/l

Section 13. Disposal considerations

Waste Disposal	In accordance with local and national regulations.
Environmental Hazards	Dispose of container properly. If recycling is not practicable, dispose of in compliance with local regulations.

Section 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

Section 15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Status**

EINECS : All ingredients listed or exempt.

TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

Section 16. Other information

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.