



Material Safety Data Sheet

SP160 PFOA Free Surface Protectant

Revised 3-September-2009

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product name: SP160
Chemical name: Fluoropolymer emulsion in water.
Multiuse water and oil repellent.

Company Identification

Distributor Top Fluorochem Co., Ltd.
Building C2, 3rd Floor
479 Chun Dong Road
XinZhuang Industrial Park
Minhang District
Shanghai, P. R. China 201108

Manufacturer Fuxin Hengtong Fluorine Chemicals Co., Ltd.
Fuxin Chemicals Community
West Pingan St.
Haizhou District
Fuxin City, Liaoning Province, P. R. China

Emergency Call +86-21-54833399

2. COMPOSITION AND INFORMATION ON COMPONENTS

Material or Component Wt. %	CAS Number	EINECS Number
Proprietary Fluoropolymer Emulsion 31 – 34 %	Proprietary	Proprietary
Dipropylene Glycol 7 – 9 %	25265-71-8	246-770-3
DI water 57 – 62 %	7732-18-5	231-791-2

3. HAZARDS IDENTIFICATION

Emergency Overview: Generally, non-hazardous.

Potential Effects of Exposure:

General: Irritant. Irritating to eyes, respiratory system and skin.

HIMIS rating Health: 1
Flammability: 0
Reactivity: 0

NFPA rating Health: 1
Flammability: 0
Reactivity: 0

For additional information on toxicity, please refer to Section 11.

4. FIRST AID MEASURES

Effects Of Exposure:

Inhalation:	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.
Skin contact:	Flush skin with soap and water after contact. Wash contaminated clothing before reuse.
Eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash point:	None below the boil
Method:	PMCC
Autoignition temperature:	N/A
Flammability:	N/A

Extinguishing Media:

Use fire-fighting measures which suit the environment and take into account other materials which may be involved. Use water spray, carbon dioxide, dry powder, or appropriate foam.

Protective Equipment:

Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:

Carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Fire Fighting Instructions:

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Avoid breathing decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Ventilate area. Spill may be slippery.

Environmental Precautions:

Prevent discharges into the environment

Cleanup Procedures:

If possible, dam large quantities of liquid with sand or earth to contain the spill. Prevent the product from entering natural waterways. Place everything in a closed, labeled container compatible with the product. Store the product in a safe and isolated place. For disposal methods, refer to Section 13. Collect the product with suitable means. Clean the area with large quantities of water.

7. HANDLING AND STORAGE

Handling:

Mix material well before using. Carry out

industrial operations using good manufacturing procedures. Operate in a well-ventilated area. Handle small quantities under a lab hood. Use only equipment and materials that are compatible with the product.

Storage:

Store in a ventilated, cool area. Store indoors. Keep away from heat sources. For long storage periods, store below 30 °C to prevent settling. Prevent from freezing. Keep away from reactive products (see Section 10). Provide containment around storage containers and transfer installations. Keep container tightly closed.

For bulk storage, consult the producer.

Specific Uses:

For any particular use, please contact the supplier.

Other Precautions:

Follow the protective measures given in Section 8. Warn people about the dangers of the product.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limit Values:

None listed

Authorized Limit Values:

None listed

Exposure Controls:

Follow the protective measures given in Section 7. Provide premise ventilation. Respect local, state, and national regulations for aqueous emissions

Occupational Exposure Controls:**Ventilation:**

Provide local ventilation suitable for the emission risk.

Respiratory protection: minimum needed if the local exhaust ventilation is adequate.

Hand protection:

Chemical – resistant protective gloves (Neoprene).

Eye protection:

Wear protective goggles for all industrial operations.

Skin protection:

Overalls. Use apron/boots of butyl rubber if there is risk of splashing.

Other precautions:

Provide shower and eye wash stations.

Consult the industrial hygienist or the safety manager for the selection of personal protective equipment suitable for the working conditions.

Do not smoke, eat, or drink in the working area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Milky off-white or yellow liquid

Odor

Mild glycol

Freezing Point

-25 °C

Boiling Point

100 °C

Decomposition Temperature

No data

Flash Point

None. Method: closed cup

Water Solubility	Completely soluble
% Volatiles by Weight	66 – 69 %
Vapor Pressure	Not available
Density	1.1 g/mL @ 25 °C
Evaporation Rate (Water = 1)	1
pH	4 - 6

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and storage conditions.
Conditions and Materials to Avoid:	Avoid strong acids.
Hazardous Decomposition Products:	Thermal decomposition will yield carbon dioxide, carbon monoxide, and hydrogen fluoride.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Route of Entry	
Inhalation:	Yes
Eye contact:	Yes
Skin contact:	Yes
Ingestion:	Unlikely
Potential Effects of Acute Exposure:	
Skin contact:	In case of repeated contact: may cause mild irritation.
Eye contact:	Will cause irritation and possible tearing. No serious damage.
Ingestion:	May be harmful if swallowed. Avoid ingestion. Polymer is non-toxic.
Inhalation:	Excessive inhalation of hot vapors may cause nasal and respiratory irritation.
Carcinogenicity:	None.
Potential Effects of Chronic Exposure:	
Toxicity	Generally non-toxic. Use good hygiene practices.
Exposure limits:	Not available.
Carcinogenic designation:	None.

12. ECOLOGICAL INFORMATION

None known. In general, take precautions to ensure product does not contaminate the ground or enter natural waterways.

13. DISPOSAL CONSIDERATIONS

Waste Treatment:	Dispose in compliance with local, state, and national regulations. It is recommended to contact the producer for recycling/recovery.
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Send the product to an authorized industrial waste incinerator. The incinerator must be equipped with a system for the neutralization of HF.

Packaging Treatment:

To avoid treatment, use dedicated containers.

14. TRANSPORT INFORMATION

Mode	DOT/IMDG/IATA
UN Number	None. Non-hazardous for transport.
Class (Subsidiary)	None. Non-hazardous for transport.
Proper Shipping Name	None. Non-hazardous for transport.
Hazard Label (Subsidiary)	None. Non-hazardous for transport.
Packing Group	None. Non-hazardous for transport.
Shipping Hazard Label	None. Non-hazardous for transport.

15. REGULATORY INFORMATION

This product contains no ingredients subject to the reporting requirements of SARA 313, TITLE III, SARA 312. This product is non-hazardous within OSHA Hazard Communication Standard 29 CFR 1910.1200. All materials used in this manufacture are TSCA reported, Canadian D.S.L Registered and included on the European Inventory of Existing Chemicals (EINECS) in compliance with council directive 67/ 548/ EEC and amendments.

16. OTHER INFORMATION

Ratings:

NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)

Health = 1
 Flammability = 0
 Instability = 0
 Special = None

HMIS (HAZARDOUS MATERIAL INFORMATION SYSTEM)

Health = 1
 Fire = 0
 Reactivity = 0
 PPE = Supplied by User; dependent on local conditions

Legal Disclaimer:

For industrial use only. Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of MSDS