

MATERIAL SAFETY DATA SHEET

No. X-0285E-10

Identity (As Used on Label and List)

- **Date Prepared:** September 25, 2003
- **Date Revised:** September 11, 2009

LUMIFLON LF916F

1. PRODUCT AND COMPANY INFORMATION

Product Name: LUMIFLON LF916F

Synonym: Fluoropolymer

General Use: Paints

MSDS Number: X-0285E

Manufacture

Company Name: ASAHI GLASS CO., LTD. Chemicals Company Fluorochemicals Division

Address: 1-12-1, Yurakucho, Chiyoda-ku, Tokyo, 100-8405, Japan

Telephone No.: +81-3-3218-5574

Facsimile No.: +81-3-3218-7843

Supplier

Company Name: AGC Chemicals Americas, Inc.

Address: 55 East Uwchlan Ave. Suite 201, Exton, PA 19341, USA

24 Hour Medical Emergency Telephone #: (800)420-8479

24 Hour Transportation Emergency # (CHEMTREC): (800) 424-9300

Customer Service Number: (800) 424-7833

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	%
Fluoropolymer	88795-12-4	>98
Xylene	1330-20-7	<1

OSHA Hazardous Components (29 CFR 1910.1200)

none

3. HAZARDS IDENTIFICATION

Potential Health Effects

In contact with skin:

Non-toxic.

In contact with eyes:

May cause mechanical irritation with discomfort and tearing.

Additional information

Carbonyl fluoride and hydrogen fluoride may be evolved when the product is heated more than 230deg.C or burned. Inhalation of fumes from overheating the product may cause eye, nose, throat, and lung irritation. Inhalation of low concentration of Hydrogen Fluoride can initially include symptoms of choking, cyanosis, and pulmonary edema.

4. FIRST AID MEASURES

- **Inhalation:**
Remove victims to fresh air. Seek medical attention.
- **Skin contact:**
Remove contaminated clothing and wash well affected skin with plenty of soap and water. Seek medical attention.
- **Eye contact:**
Flush eyes including eyelids, with plenty of water for at least 15 minutes. Get medical attention.
- **Ingestion:**
Wash mouth out with water; give half pint water to drink. Don't induce vomiting. Get medical attention

5. FIRE-FIGHTING MEASURES

- **Suitable extinguishing media:** Foam, Dry chemicals, CO2, Water spray
- **Unsuitable extinguish media/methods:** none
- **Hazardous combustion product or gases:** If involved in a fire or if overheated, there is a risk of generation of toxic degradation products such as: hydrogen chloride, hydrogen fluoride, carbonyl fluoride, carbon monoxide, and carbon dioxide.
- **Special protective equipment for fire fighters:** Wear self-contained breathing apparatus in confined areas or when exposed to combustion products.
- **Additional information**
Move container from fire areas if it can be done without risk.
Cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure adequate ventilation.

Use personal protective clothing

Environmental precautions:

Shut off source of ignition and ventilate spill area.

Do not wash away into shower or waterway.

Methods for cleaning up/taking up:

Sweep up to avoid slipping hazard and dispose of in accordance with applicable regulations.

Additional information:

Information for safe handling looks up chapter 7.

Information for disposal looks up chapter 13.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Do not breathe dust.

Storage

Store in a cool, dry, well-ventilated location.

Keep containers tightly closed when in not use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

N/A

Exposure controls

Occupational exposure controls

Engineering Controls:

Not necessary

Personal protection:

- **Respiratory protection:** Ventilation, local exhaust, When temperatures exceed 230 degree C and ventilation is inadequate, use a positive pressure air supplied respirator. Air purifying respirators may not provide adequate protection.
- **Hand protection:** Impermeable gloves
- **Skin protection:** Suits as needed by the circumstance of use.
- **Eye protection:** Safety glass, goggles, face shield

Additional recommendations: Eyewash and safety shower should be ready for use.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance and Odor:** Translucent solid. Odorless
- **Chemical Formula:** Trade Secret
- **Flash Point (method):** N/A
- **Lower Explosive Limit:** N/A
- **Upper Explosive Limit:** N/A
- **Auto ignition temperature:** N/D
- **Boiling Point:** N/A
- **Melting Point:** N/A
- **Vapor Pressure (20deg.C):** N/A
- **Specific Gravity (20deg.C):** N/A

- **pH value (20deg.C):** N/A
- **Solubility in Water (20deg.C):**N/A
- **Partition Coefficient:** log Pow >6 (n-octanol/water)

10. STABILITY AND REACTIVITY

Conditions to avoid: Overheating and cooling

Stability: Stable under normal temperature and pressure.

Materials to avoid (Incompatibilities): Strong oxidizing agents, Strong Reducing agents, Strong bases

Hazardous decomposition products:

In a fire situation, hydrogen chloride, hydrogen fluoride, carbon monoxide and carbon dioxide may liberate.

11. TOXICOLOGICAL INFORMATION

(Fluoropolymer)

Acute toxicity: N/D

Genetic studies: Ames Assay: Negative

12. ECOLOGICAL INFORMATION

Biodegradability: N/D

Bioaccumulation: N/D

Other information: N/D

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state and local regulations.

Do not dump this product into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION (DOT)

Hazardous Materials: N/A

Hazardous Materials Description and Proper Shipping Name: N/A

Hazardous Class or Division: Not classified

Identification Number: Not regulated

Packing Group: Not classified

Label(s) Required: Not classified

UN Number: N/A

IMDG Status: Not restricted
Marine Pollutant: No
ICAO/IATA Status: Not restricted

15. REGULATORY INFORMATION

OSHA STATUS: This product is not hazardous under 29 CFR 1910.1200.

TSCA STATUS: This fluoropolymer is listed on the TSCA Inventory.

SARA TITLE III

SECTION 302(40 CFR 355): Not Applicable

SECTION 311/312(40 CFR 370): Chronic health hazard

SECTION 313(40 CFR 372): Not Applicable

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

16. OTHER INFORMATION

- **N/E:** Not Established
- **N/A:** Not Applicable
- **N/D:** No Data
- **ACGIH:** American Conference of Governmental Industrial Hygienists
- **S.C.C.:** Seta Closed Cup

NFPA CODES

Flammability	Hazard	Instability
1	1	1

Revision Summary: Section 1-16(2004.6) 2, 9,15(2004.9) Product name(2004.12)
2, 7, 8, 9, 13,15(2005.7),15(2005.11) 1, 8(2006.9) 1(2009.4) 1(2009.9)

The product is not designed for special applications such as pharmaceutical, medical use.

The information given in this safety data sheet is for safety purposes only. It is given in good faith and based on the best knowledge and experience of the company at the date of issuing.

The company is not responsible for any loss or damage caused by the use of the product in applications for which it was not intended or for conditions of use contrary to the recommendations in this safety data sheet.
