SAFETY DATA SHEET

SDS No.R-1736HCS-01

- **Date Prepared:** October 20, 2014
- **Date Revised:**

LUMIFLON LF916F

1. IDENTIFICATION

Product name: LF916F
Synonym: Product Name: Fluoropolymer
Recommended use of the chemicals: Paints
MSDS Number: R-1736HCS

Manufacturer
Company Name: ASAHI GLASS CO., LTD.
Address: 1-5-1, Marunouchi, Chiyoda-ku, Tokyo 100-8405, Japan
Telephone Number for Information: +81(0)3-3218-5504
Facsimile Number for Information: +81(0)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. HAZARDS IDENTIFICATION

The hazard classification
Reproductive Toxicity: Category 1B

Signal word
Danger

Hazard statements
H360 May damage fertility or the unborn child.

Pictograms

Precautionary statements
P201 Obtain special instructions before use.
P308+P313 If exposed or concerned: Get medical advice/attention.
P405 Store locked up.

Description of any hazards not otherwise classified
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	**CAS No.**	**%**
Fluoropolymer	Trade Secret	98.0<
Xylene	1330-20-7	1>

OSHA Hazardous Components (29 CFR 1910.1200)
Xylene

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. When some substance sticks to hand, rub it off a brush on pumice stone. 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, CO_2,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 needed
Personal protection:

- **Respiratory protection:** Ventilation, local exhaust.
  When temperatures exceed 230deg.C (446deg.F) 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:** Suites 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 flake. 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/D
- **Melting Point:** N/D
- **Vapor Pressure (20deg.C):** N/D
- **Specific Gravity (20deg.C):** 1.4
- **Solubility (20deg.C) in water:** N/A
- **pH value (20deg.C):** N/A
- **Partition Coefficient:** log Pow >6 (n-octanol/water)
- **Solvent content:** Xylene <1%

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
Carcinogenicity:
- NTP: N/E
- IARC Monographs: N/E
- OSHA Regulated: N/E

12. ECOLOGICAL INFORMATION

Biodegradability: N/D
Bioaccumulation: N/D
Other information: N/D

13. DISPOSAL CONSIDERATIONS

Reuse when possible the residual product. Send waste product for thermal destruction, using high-temperature incinerators designed to burn fluorine compounds.
Reuse containers when possible, after thorough washing. Dispose of waste containers to authorized landfill, in accordance with local laws and 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.
CERCLA/SUPERFUND (40 CFR 117, 302)
N/A

SARA TITLE III
SECTION 302(40 CFR 355): Not Applicable
SECTION 311/312(40 CFR 370): Not applicable
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

NFPA CODES

Flammability	Hazard	Instability
1	1	1

Revision Summary: updated according to 29CFR 1910.1200(g)

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.