

1. Identification

GHS product identifier	LUMIFLON FD1000
SDS number	AGC-X-1847
Version No.	01
Issue date	15-December-2020
CAS #	Mixture
Recommended use	Raw material for industry
Recommended Restrictions	Not available.
Manufacturer	
Company name	AGC Inc. Chemicals Company Coating Business Group
Address	1-5-1, Marunouchi, Chiyoda-ku, Tokyo 100-8405, Japan
Phone number	+81-3-3218-5040
Fax	+81-3-3218-7843
Emergency telephone number	Verisk 3E (Access Code 335170)
	Europe: +0-800-680-0425
	Asia Pacific: +1-760-476-3960,+66-21056177, +81-368908677
	Middle East & Africa: +1-760-476-3959
	US, Canada,Mexico: +1-866-519-4752
	Other countries: +1-760-476-3971

2. Hazards identification

GHS classification

Physical hazards	Flammable liquids	Not classified
	Pyrophoric liquids	Not classified
Health hazards	Not classified.	
Environmental hazards	Hazardous to the ozone layer	Classification not possible

GHS label elements

Signal word	None.
Hazard symbols	None.
Hazard statement	Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Precautionary statement

Prevention	Use personal protective equipment as required.
Response	Wash hands after handling.
Storage	Store in a cool, dry place out of direct sunlight. Keep container tightly closed.
P233	
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not result in classification None known.

Supplemental information None.

3. Composition/information on ingredients

Components	CAS #	Percent
Fluoropolymer	Trade Secret	30-55
water	7732-18-5	45-70

4. First aid measures

First aid procedures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
-------------------	--

Skin	Take off immediately all contaminated clothing. Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and water. Do not use solvents and thinner for wipe up.
Eye	Get medical attention immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. If possible, give a large amount of water to be discharged.
Most important symptoms and effects, both acute and delayed	Direct contact with eyes may cause temporary irritation.
Notes to physician	Treat symptomatically.
General advice	Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire. Not applicable, non-combustible.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective clothing when extinguishing fire, as harmful gases may be generated during combustion.
Protection of fire-fighters	Fight fire from upwind area.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Remove flammable materials from the environment Use designated extinguishing media. Cool closed containers exposed to high temperatures with water. Perform fire extinguishing activities in response to surrounding fires. Remove movable containers from the fire area wherever possible.
6. Accidental release measures	
Personal precautions	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Environmental precautions	Do not discharge to rivers. Be careful not to cause environmental impact
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	This product is miscible in water. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
7. Handling and storage	
Handling	Provide adequate ventilation. A small amount of sediment may be found in the container after standing for a long time. Please stir well before use. Some solid material may be appeared out by foaming. Please filter it before use. Do not get in eyes, on skin, on clothing. Wear appropriate personal protective equipment. Prohibit the use of fire, sparks, and hot objects in the vicinity Do not use strong oxidizing agents. Do not eat, drink and smoke when handling. Wash hands and face thoroughly after handling, and do not bring protective equipment such as gloves into rest areas. Use personal protection recommended in Section 8 of the SDS.

Storage	<p>Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). When storing outdoors as a pail, attach a roof or cover. To prevent freezing, do not use below 0 ° C. Do not store in places where there is a risk of mixing with oxidizing substances and organic peroxides.</p>
----------------	---

8. Exposure controls / personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Engineering controls	Eye wash facilities and emergency shower must be available when handling this product. In case of indoor work, use auto application equipment or local ventilation equipment to prevent a worker from directly being exposed
Personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear appropriate chemical resistant clothing.
Respiratory protection	Respiratory protection not required. Chemical respirator with organic vapour cartridge.
Hand protection	Wear appropriate chemical resistant gloves.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Colour	Milky white to light yellow
Form	Not available.
Odour	Not available.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Boiling point	100 °C (212 °F) [water]
Flash point	Non-flammable
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Flammability limits in air, lower, % by volume	Not available.
Flammability limits in air, upper, % by volume	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	1.13 g/cm ³
Other data	
Explosive properties	Not available.
Oxidising properties	Not available.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Organic peroxide. Peroxidic substance.
Hazardous decomposition products	Not available.

11. Toxicological information

Acute toxicity	Not known.
Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory sensitiser	Not available.
Skin sensitisation	Not available.
Mutagenicity	Not available.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible. None of the Japan Society for Occupational Health, ACGIH, NTP, IARC is mentioned
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not available.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Symptoms	Direct contact with eyes may cause temporary irritation.
Other information	This product has no known adverse effect on human health.

12. Ecological information

Ecotoxicity	In case of leakage, disposal etc., there is a risk of influencing the environment, so handle with care. Especially when products and washing water. Take measures not to flow directly to the ground, river or drainage.
Environmental effects	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not available.
Bioaccumulation	Not available.
Aquatic toxicity	Not classified.
Mobility	This product is miscible in water.
Other adverse effects	Not available.

13. Disposal considerations

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Waste generated by wastewater treatment, incineration, etc. shall be processed or consigned according to Waste Management and Public Cleansing Act. and the related laws. Do not flush wastewater cleaned in containers, equipment, etc. to the ground or drain. Since it generates hydrogen chloride when incinerated, it is incinerated at the highest possible temperature in an incinerator equipped with afterburner, scrubber etc. together with sufficient combustible solvent, fuel such as heavy oil, etc., and the exhaust gas is neutralized.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. The remaining products (residual waste) should be discarded according to the law concerning waste disposal and cleaning and the prefectural / municipal regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to IMO instruments Not established.

General information

In case of falling under the Fire Service Law, Occupational Safety and Health Law, Poisonous and Deleterious Substances Control Law, follow the transportation method prescribed by each applicable law.

To comply with the provisions of the ship safety law. Follow the aviation laws.

When transporting, keep the container at 40 ° C or below, taking care not to fall over, fall, or damage.

15. Regulatory information

Regulatory information Ensure this materials in compliance with federal requirements and ensure conformity to local regulation.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information**Disclaimer**

AGC Inc. Chemicals Company Coating Business Group

SDS is a document for business operators. Not all materials and literature have been investigated, so there may be information leaks. In addition, the content will change due to the announcement of new knowledge and correction of the existing theory. When used for important decisions, it is recommended to examine the sources carefully and to confirm by examination. No guarantee is made for the data or evaluation described. In addition, the items described are intended for normal handling. Therefore, when handling specially, be sure to implement safety measures suitable for new applications and usages before handling. Attach this SDS when transferring this product.

This product is an industrial product, it is not the thing which developed / manufactured assuming the medical use.

up date: Section7 (2020.12) (Technical measure)