SAFETY DATA SHEET

1. Identification

GHS product identifier	**LUMIFLON LF552**
SDS number	AGC-Z-3220
Version No.	01
Issue date	16-December-2020
CAS #	Mixture
Recommended use	Raw material for industry
Recommended Restrictions	Not available.
Manufacturer	
Company name	AGC Inc. Chemicals Company Coating Business Group
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2. Hazards identification

GHS classification

Physical hazards	Flammable liquids	Category 3
	Pyrophoric liquids	Not classified
Health hazards	Acute toxicity, oral	Not classified
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Germ cell mutagenicity	Category 2
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1B
	Specific target organ toxicity following single exposure	Category 1 (respiratory organ)
	Specific target organ toxicity following single exposure	Category 2 (eye, central nervous system, kidney, bladder, liver)
	Specific target organ toxicity following single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity following single exposure	Category 3 narcotic effects
	Specific target organ toxicity following repeated exposure	Category 1 (Bone, central nervous system)
	Specific target organ toxicity following repeated exposure	Category 2 (eyes, nervous system, respiratory organ, bladder)
	Aspiration hazard	Not classified
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
	Hazardous to the ozone layer	Classification not possible

GHS label elements

Signal word	Danger

Hazard statement

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs (respiratory organ).
H371	May cause damage to organs (eye, central nervous system, kidney, bladder, liver).
H372	Causes damage to organs (Bone, central nervous system) through prolonged or repeated exposure.
H373	May cause damage to organs (eyes, nervous system, respiratory organ, bladder) through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe mist/vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P311	IF exposed or concerned: Call a POISON CENTRE/doctor.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage.

Storage

P235	Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification None known.

Supplemental information None.

3. Composition/information on ingredients

Components	CAS #	Percent
Fluoro resin	Tarde Secret	40
aromatic hydrocarbon mixture	64742-94-5	>33

Components	CAS #	Percent
Cyclohexanone	108-94-1	12
Naphthalene	91-20-3	<5
Ethylbenzene	100-41-4	<5
Xylene	1330-20-7	<5

4. First aid measures

First aid procedures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If a worker inhales steam or gas and feels unwell, move to a location with fresh air, rest in a posture that facilitates breathing, and contact a doctor.
If breathing weakly or have stopped breathing, loosen your clothes and give artificial respiration. In some cases, administer oxygen and seek medical attention immediately.

Skin

Take off immediately all contaminated clothing.
Wash off with soap and water. Get medical advice/attention if you feel unwell.

Wipe up with absorbent material (e.g. cloth, fleece).
Thoroughly flush with plenty of water and soap or skin cleanser.
Do not use solvents and thinner for wipe up.
Get medical attention if changes in appearance or pain occur.

Eye

Get medical attention immediately.
Immediately wash with plenty of clean running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Wash thoroughly to the back of the eyelids.

Ingestion

Never give anything by mouth to a victim who is unconscious or is having convulsions.
Do not induce vomiting without advice from poison control center.
If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
If swallowed, keep warm and rest,seek medical attention immediately.
Do not swallow vomit.
If conscious, drink 1 to 2 glasses of water.

Most important symptoms and effects, both acute and delayed

Not available.

Notes to physician

Not available.

5. Fire-fighting measures

Suitable extinguishing media

Foam. Dry chemical powder. Dry sand.

Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Hazardous decomposition products formed under fire conditions.
When pyrolyzed by fire, highly toxic gases such as hydrogen fluoride are generated.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Protection of fire-fighters

If danger can be avoided, stop supplying the combustion source.
Fight fire from upwind area.
Avoid spraying water directly on storage containers as this can cause sudden boiling.
This liquid is volatile, travels far along invisible vapors, and can ignite or explode in the presence of an ignition source.

Specific methods

Remove flammable materials from the environment
Use designated extinguishing media.
Cool closed containers exposed to high temperatures with water.

6. Accidental release measures

Personal precautions

Keep unnecessary personnel away.
Keep people away from and upwind of spill/leak.
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area).
Avoid breathing mist/vapours.
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Ventilate closed spaces before entering them.

Wear appropriate protective equipment (gloves, protective mask, apron, goggles, boots, etc.) when working.
Prepare a suitable fire extinguisher in case of ignition.
Quickly remove nearby ignition sources, hot bodies, and nearby combustibles.

Environmental precautions

Do not discharge to rivers. Be careful not to cause environmental impact

Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. This product is miscible in water. Prevent product from entering drains. Do not allow material to contaminate ground water system.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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

All equipment used when handling the product must be grounded.
Use non-sparking tools and explosion-proof equipment.
Take precautionary measures against static discharges.

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.
Explosion-proof general and local exhaust ventilation.
Do not breathe mist/vapours.
Avoid contact with eyes, skin, and clothing.
Avoid prolonged exposure.
When using, do not eat, drink or smoke.
Pregnant or breastfeeding women must not handle this product.
Should be handled in closed systems, if possible.
Wear appropriate personal protective equipment.
Wash hands thoroughly after handling.
Avoid release to the environment.
Observe good industrial hygiene practices.

Storage

Store locked up.
Keep away from heat, sparks and open flame.
Prevent electrostatic charge build-up by using common bonding and grounding techniques.
Store in a cool, dry place out of direct sunlight.
Store in tightly closed container.
Store in a well-ventilated place.
Keep in an area equipped with sprinklers.
Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls / personal protection

Control parameters

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
aromatic hydrocarbon mixture (CAS 64742-94-5)	TWA	200 mg/m3	Non-aerosol.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Cyclohexanone (CAS 108-94-1)	STEL	50 ppm	
	TWA	20 ppm	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Naphthalene (CAS 91-20-3)	TWA	10 ppm	
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Cyclohexanone (CAS 108-94-1)	80 mg/l	1,2-Cyclohexanediol, with hydrolysis	Urine	*
	8 mg/l	Cyclohexanol, with hydrolysis	Urine	*
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation

aromatic hydrocarbon mixture (CAS 64742-94-5)	Danger of cutaneous absorption
Cyclohexanone (CAS 108-94-1)	Danger of cutaneous absorption
Naphthalene (CAS 91-20-3)	Danger of cutaneous absorption

Recommended monitoring procedures
Follow standard monitoring procedures.

Engineering controls
Install an exhaust system so that steam does not stay.
Attach emergency shower and eye washing equipment to work area and clearly display its position . In case of indoor work, use auto application equipment or local ventilation equipment to prevent a worker from directly being exposed
in case of working at closed place such as inner of tank, install ventilation equipment to ventilate up to the bottom of closed place.
The equipment shall be made with corrosion resistant material.
Make sure that workers do not directly touch or expose corrosive substances.
Do not place high temperature or ignition source close to working place with this product.
Use explosion-proof handling equipment

Personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Wear appropriate chemical resistant clothing.
Use of an impervious apron is recommended.
Wear long-sleeved work clothes, apron, arm covers, and gloves (wear clothing that does not touch the skin)

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge.
Wear air-supplied respirator in closed areas.
Wear an air supply.

Hand protection
Wear protective gloves. Wear gloves that are impervious to organic solvents or chemicals. Wear oil-resistant protective gloves.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Colour	Colorless transparent
Form	Not available.
Odour	aromatic smell
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	-32.1 °C (-25.78 °F) [Cyclohexanone]
Boiling point	138 - 144 °C (280.4 - 291.2 °F)
Flash point	46.8 °C (116.2 °F) Tag closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Flammability limits in air, lower, % by volume	0.8 %
Flammability limits in air, upper, % by volume	7 %
Vapour pressure	83 Pa (20°C) [Aromatic Hydrocarbon Mixture] 266 Pa (20°C) [Cyclohexanone]
Vapour density	> 1 [Aromatic Hydrocarbon Mixture]
Relative density	Not available.
Solubility(ies)	
Solubility (water)	< 2.4 % (Solubility of fluororesin in water)
Solubility (other)	< 0.1 % (Solubility of aromatic hydrocarbon mixture in water)
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 400 °C (> 752 °F) [Aromatic Hydrocarbon Mixture] 420 °C (788 °F) [Cyclohexanone]
Decomposition temperature	Not available.
Viscosity	Not available.
Density	1.06 g/cm3

10. Stability and reactivity

Chemical stability	Stable at normal temperature and pressure.
Possibility of hazardous reactions	Reacts with nitric acid and strong oxidants, causing fire and explosion hazard. [Cyclohexane] Vapours may form explosive mixture with air. May ignite on contact with high surface temperature, sparks or open flame.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidising agents. Halogens. Concentrated sulfuric acid Concentrated nitric acid Molten sulfur
Hazardous decomposition products	Hydrogen chloride. Hydrogen fluoride (HF) and carbonyl fluoride (COF 2).

11. Toxicological information

Toxicological data

Components	Species	Test Results
aromatic hydrocarbon mixture (CAS 64742-94-5)		
Acute		
Dermal		
LD50	Rabbit	4100 mg/kg
Oral		
LD50	Rat	3690 mg/kg

Components	Species	Test Results
Cyclohexanone (CAS 108-94-1)		
Acute		
Dermal		
LD50	Rabbit	947 mg/kg
Inhalation		
Vapour		
LC50	Rat	2450 ppm
Oral		
LD50	Rat	< 2000 mg/kg
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal		
LD50	Rabbit	15400 mg/kg
Inhalation		
LC50	Rat	4000 ppm, 4 hr
Oral		
LD50	Rat	3500 mg/kg
Naphthalene (CAS 91-20-3)		
Acute		
Dermal		
LD50	Rabbit	> 2 g/kg
Oral		
LD50	Rat	490 mg/kg
Xylene (CAS 1330-20-7)		
Acute		
Dermal		
LD50	Rabbit	> 4350 mg/kg
Inhalation		
LC50	Rat	29.08 mg/l, 4 Hours
Oral		
LD50	Rat	3500 mg/kg

Routes of exposure Inhalation. Skin contact. Eye contact.

Skin contact

Cyclohexanone	Category1
Naphthalene	Catgory1

Toxicological information Occupational exposure to the substance or mixture may cause adverse effects.

Acute toxicity

Skin corrosion/irritation

Irritation Corrosion - Skin

aromatic hydrocarbon mixture	Category2
Cyclohexanone	Category2

Serious eye damage/eye irritation

Irritation Corrosion - Eye

aromatic hydrocarbon mixture	Category2
Xylene	Category2
Cyclohexanone	Category2A
Ethylbenzene	Category2A
Naphthalene	Category2B

Respiratory sensitiser Not available.

Skin sensitisation May cause an allergic skin reaction. (Category1)

Skin Sensitisation

Naphthalene	Category1

Mutagenicity Suspected of causing genetic defects.

Germ cell mutagenicity: Ames test

aromatic hydrocarbon mixture	Result: Negative
Ethylbenzene	Result: Negative
Naphthalene	Result: Negative
Xylene	Result: Negative

Germ cell mutagenicity: Chromosome abberation

Ethylbenzene	Result: Negative
Naphthalene	Result: Negative
Xylene	Result: Negative
Cyclohexanone	Result: POSITIVE(in vivo) Cat.2

Germ Cell Mutagenicity: In Vitro Mammalian Cell Gene Mutation Tests

aromatic hydrocarbon mixture	Result: Negative
Naphthalene	Result: Negative
Cyclohexanone	Result: There are both negative and positive reports.
Ethylbenzene	Result: There are both negative and positive reports.
Xylene	Result: There are both negative and positive reports.

Germ Cell Mutagenicity: Micronucleus

Ethylbenzene	Result: Negative
Xylene	Result: Negative

Carcinogenicity Suspected of causing cancer.

Ethylbenzene	Category2
Naphthalene	Category2

ACGIH Carcinogens

aromatic hydrocarbon mixture (CAS 64742-94-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Cyclohexanone (CAS 108-94-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Naphthalene (CAS 91-20-3)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Xylene (CAS 1330-20-7)	A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)	3 Not classifiable as to carcinogenicity to humans.
Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Naphthalene (CAS 91-20-3)	2B Possibly carcinogenic to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. May damage fertility or the unborn child.

Reproductivity

Ethylbenzene	Category1B
Xylene	Category1B
Cyclohexanone	category2

Specific target organ toxicity - single exposure Causes damage to organs (respiratory organ). May cause damage to organs (eye, central nervous system, kidney, bladder, liver). May cause respiratory irritation. May cause drowsiness and dizziness.

Xylene	Cat.1(Central nervous system,Respiratory,Liver,Kidney), Cat.3(Narcrotic
Cyclohexanone	Cat.1(Respiratory system), Cat.2(Central nervous system), Cat.3(Narcotic Effects
aromatic hydrocarbon mixture	Cat.3 (Respiratory irritation, Narcotic effect)
Ethylbenzene	Cat.3 (Respiratory irritation, Narcotic effect)
Naphthalene	Category 1(Blood,Eye,Respiratory tract)

Specific target organ toxicity - repeated exposure Causes damage to organs (Bone, central nervous system) through prolonged or repeated exposure. May cause damage to organs (eyes, nervous system, respiratory organ, bladder) through prolonged or repeated exposure.

Xylene	Cat.1 (Nervous system,Respiratory organs)
Naphthalene	Cat.1(Blood,Eye,Respiratory)
Cyclohexanone	Category:1(Central nervous system,Bone)
Ethylbenzene	Category2(Hearing organs)

Aspiration hazard Not applicable.

Xylene	Category1

Chronic effects Prolonged inhalation may be harmful. Causes damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

Teratogenicity Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

Symptoms May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Diarrhoea. Behavioural changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Oedema. Jaundice.

Other information Human health hazard: May be harmful to health. May cause organic solvent poisoning.
Contact with to eyes may cause irritating, but does not damage eye tissue.
Prolonged contact with skin may cause irritation and dermatitis.

12. Ecological information

Ecotoxicological data

Product		Species	Test Results
LUMIFLON LF552			
Aquatic			
Acute			
Crustacea	EC50	Daphnia	0.95 mg/l, 48 Hours (Aromatic Hydrocarbon Mixture)

Components		Species	Test Results
aromatic hydrocarbon mixture (CAS 64742-94-5)			
Aquatic			
Acute			
Crustacea	EC50	Daphnia magna	0.95 mg/l, 48 hours
Cyclohexanone (CAS 108-94-1)			
Aquatic			
Acute			
Crustacea	LC50	Daphnia magna	800 mg/l, 24 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	527 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	1.37 - 4.4 mg/l, 48 hours
Fish	LC50	Atlantic silverside (Menidia menidia)	4.4 - 5.7 mg/l, 96 hours
Naphthalene (CAS 91-20-3)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	1.09 - 3.4 mg/l, 48 hours
Fish	LC50	Pink salmon (Oncorhynchus gorbuscha)	0.95 - 1.62 mg/l, 96 hours
		Rainbow trout	770 µg/l, 96 hours
Xylene (CAS 1330-20-7)			
Aquatic			
Acute			
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	3.3 mg/l, 96 hours

Ecotoxicity Very toxic to aquatic life.（Aquatic environment (Acute) Category1）
（Aquatic environment (Long term) Category1）

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 Very toxic to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability No data is available on the degradability of this product.

Easily biodegraded.（Cyclohexane）
Not easily degraded, but is inherently biodegradable.（aromatic hydrocarbon mixture）

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

Cyclohexanone	0.81
Ethylbenzene	3.15

Bioaccumulative potential

Octanol/water partition coefficient log Kow

Naphthalene	3.3

Aquatic toxicity Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Mobility Not available.

13. Disposal considerations

Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Waste from residues / unused products The remaining products (residual waste) should be discarded according to the law concerning waste disposal and cleaning and the prefectural / municipal regulations.
Do not flush wastewater cleaned in containers, equipment, etc. to the ground or drain.
Waste generated by wastewater treatment, incineration, etc. shall be processed or consigned according to Waste Management and Public Cleansing Act. and the related laws.
When performing consignment processing, contract with a specialized industrial waste disposer authorized by the prefectural governor.

Since waste generates hydrogen chloride and hydrogen fluoride when incinerated, it is incinerated in an incinerator equipped with neutralization facility and. the incinerated residue is land filled in legally right place. Do not incinerate in the case of exceeding fluorine emission standards.

This product including aromatic hydrocarbon mixture is applied to specially controlled industry waste,

Contaminated packaging Dispose of the waste under a contract with a licensed industrial waste disposal contractor.

14. Transport information

ADR

UN number	1866
UN proper shipping name	RESIN SOLUTION, flammable
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	30
Tunnel restriction code	D/E
Packing group	III
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

UN number	1866
UN proper shipping name	RESIN SOLUTION, flammable
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	III
Environmental hazards	No.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	1866
UN proper shipping name	Resin solution flammable
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

UN number	1866

UN proper shipping name	RESIN SOLUTION flammable, MARINE POLLUTANT (Naphthalene)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Naphthalene	
Transport in bulk according to IMO instruments	Not established.

ADR; IATA; IMDG; RID

Marine pollutant

General information	IMDG Regulated Marine Pollutant. 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.

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)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	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 Section2 (2020.6)