

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.04.2023

Version number 9 (replaces version 8)

Revision: 14.04.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

- Trade name: SU-8 3000 Series Resists
- · Article number: Y311075, Y311074, Y311072, Y311060, Y311049
- 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Sector of Use SU16 Manufacture of computer, electronic and optical products, electrical equipment
- **Product category** PC30 Photo-chemicals
- · Application of the substance / the mixture Photoresist
- 1.3 Details of the supplier of the safety data sheet • Manufacturer/Supplier: Kayaku Advanced Materials, Inc.

200 Flanders Road Westborough, MA 01581 Tel: (617) 965-5511 Fax: (617) 965-5818

- Further information obtainable from: Product Safety
 Email: productsafety@kayakuam.com
 1.4 Emergency telephone number:
- Kayaku Advanced Materials : 617-965-5511 Chemtrec USA Emergency : 800-424-9300 (24 hr) Chemtrec International Emergency : 703-527-3887 (24 hr)

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture • Classification according to Regulation (EC) No 1272/2008

GHS02 flame

.

H226 Flammable liquid and vapour.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Flam. Liq. 3

Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

· 2.2 Label elements

• *Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.*

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• Hazard pictogr	(Contd. of page 1)
< <u><</u> ⊗><	
GHS02 GH	S07 GHS09
· Signal word W	arning
• Hazard-determ Epoxy resin	ining components of labelling:
Epoxy resin Epoxy novolac	nolvmer
Proprietary pol	
	henyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)
	pdi-4, 1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)
· Hazard stateme	
H226 Flammab	ole liquid and vapour.
H332 Harmful	
H315 Causes si	
	erious eye irritation.
	se an allergic skin reaction.
	aquatic life with long lasting effects.
• Precautionary P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P302+P352 P304+P341	IF ON SKIN: Wash with plenty of soap and water.
F 304 +F 341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
1 505 +1 551 +1	present and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use to extinguish: Alcohol resistant foam, Fire-extinguishing powder, Carbon
	dioxide.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
· Additional info	
	ixture consists of component(s) of unknown toxicity.
	% of components with unknown hazards to the aquatic environment.
· 2.3 Other haza	
· Results of PBT	and vPvB assessment
• PBT: Not appli	
• vPvB: Not appl	
	of endocrine-disrupting properties
	redients are included in the list established in accordance with Article 59(1) for having endocrine
disrupting prop	
	gredients are substances identified as having endocrine disrupting properties in accordance with
the criteria set 2018/605.	t out in Commission Delegated Regulation (EU) 2017/2100 (or Commission Regulation (EU)
2010/003.	



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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

	<i>Epoxy resin</i> Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	45-75%
CAS: 120-92-3 EINECS: 204-435-9 Index number: 606-025-00-9 Reg.nr.: 01-2119495595-21-0000	Cyclopentanone Flam. Liq. 3, H226; VSkin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 108-32-7 EINECS: 203-572-1 Index number: 607-194-00-1	Propylene carbonate Skin Irrit. 2, H315; Eye Irrit. 2, H319	1-5%
	Proprietary polyglycidyl ether Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1-5%
CAS: 89452-37-9	Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)- hexafluoroantimonate (1-) (1:2) Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	1-5%
CAS: 71449-78-0	Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)- hexafluoroantimonate(1-) (1:1) Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	1-5%
	Epoxy Compound	1-5%
	Cycloaliphatic Epoxy Resin Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%

SECTION 4: First aid measures

• 4.1 Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Immediately remove any clothing soiled by the product.

• After inhalation: Supply fresh air and to be sure call for a doctor.

• After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Wash eyes immediately with a large amount of water or normal saline, occasionally lifting upper and lower eye lids until no evidence of chemical remains (about 20 minutes). Remove contact lenses if present and easy to remove. Seek immediate medical attention.

• *After swallowing:* Do not induce vomiting; call for medical help immediately.

• 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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(Contd. of page 3) • **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
- Alcohol resistant foam Fire-extinguishing powder
- Carbon dioxide
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources.
 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. • 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents
- 6.4 Reference to other sections
- See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaust at the workplace. Prevent formation of aerosols. Keep away from heat and direct sunlight.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Use explosion-proof apparatus / fittings and spark-proof tools. Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- *Requirements to be met by storerooms and containers:* Due to photo-sensitivity, store product in brown-glass or stainless steel receptacles.
- Information about storage in one common storage facility: Do not store together with oxidising and acidic materials.

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Do not store together with alkalis (caustic solutions). Do not store together with amines.

- Further information about storage conditions: Store in cool, dry conditions in well sealed containers. Protect from heat and direct sunlight. Store receptacle in a well ventilated area.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

• Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

• Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

- Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: Keep away from food and beverages. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- Respiratory protection:

In case of low exposure use cartridge respirator. In case of intensive or longer exposure use self-contained respiratory protective device.

• Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- · Material of gloves Nitrile rubber, NBR
- · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

- •9.1 Information on basic physical and chemical properties
- General Information
- · Physical state
- · Colour:

Liquid Light yellow

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Odour:	Mild				
Odour threshold:	Not determined.				
Melting point/freezing point:	Undetermined.				
Boiling point or initial boiling point					
and boiling range	130 °C				
Flammability	Not applicable.				
Lower and upper explosion limit	11				
Lower:	Not determin	ned.			
Upper:	Not determined.				
Flash point:	30 °C				
Auto-ignition temperature:	430 °C				
Decomposition temperature:	Not determin	ned.			
pH	Not determin				
Viscosity:	1101 40101 1111				
Dynamic:	Not determin	ned			
Solubility	1101 40101 1111				
water:	Not miscible	or difficult	to mir		
<i>water:</i> Partition coefficient n-octanol/water	1101 miscible	or ayjicull	10 <i>mi</i> λ.		
(log value)	Not determin	nad			
	Not determin				
Vapour pressure:	Noi delermi	iea.			
Density and/or relative density	Not determin	and			
Density:	Not determin				
Vapour density	Not determin	iea.			
9.2 Other information	Name	Number		Vol.(%by wt.)	
	SU-8 3005	Y311049	1.074	50	535
	SU-8 3010	Y311060	1.105	39	435
	SU-8 3025	Y311072	1.140	27	315
	SU-8 3025 SU-8 3035	Y311072 Y311074	1.140 1.146	27 25	315 290
Appearance:	SU-8 3035	Y311074	1.146	25	290
	SU-8 3035 SU-8 3050	Y311074	1.146	25	290
Form:	SU-8 3035 SU-8 3050 Liquid	Y311074	1.146	25	290
Form: Important information on protection of	SU-8 3035 SU-8 3050 Liquid	Y311074	1.146	25	290
Form: Important information on protection of health and environment, and on safety.	SU-8 3035 SU-8 3050 Liquid	Y311074 Y311075	1.146 1.150	25	290
Appearance: Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties:	SU-8 3035 SU-8 3050 Liquid Product is no	Y311074 Y311075 ot selfignitir	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature:	SU-8 3035 SU-8 3050 Liquid Product is no Product is no	Y311074 Y311075 ot selfignitin ot explosiv	1.146 1.150 ng.	25 24	290
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties:	SU-8 3035 SU-8 3050 Liquid Product is no	Y311074 Y311075 ot selfignitin ot explosiv	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate	SU-8 3035 SU-8 3050 Liquid Product is no Product is no	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases	SU-8 3035 SU-8 3050 Liquid Product is n Product is n mixtures are 1.6-2.3 (BuA Void Void Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids	SU-8 3035 SU-8 3050 Liquid Product is n Product is n mixtures are 1.6-2.3 (BuA Void Void Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable liquid and vapour.	SU-8 3035 SU-8 3050 Liquid Product is n Product is n mixtures are 1.6-2.3 (BuA Void Void Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable liquid and vapour. Flammable solids	SU-8 3035 SU-8 3050 Liquid Product is n Product is n mixtures are 1.6-2.3 (BuA Void Void Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280
Form: Important information on protection of health and environment, and on safety. Ignition temperature: Explosive properties: Change in condition Evaporation rate Information with regard to physical hazard classes Explosives Flammable gases Aerosols Oxidising gases Gases under pressure Flammable liquids Flammable liquid and vapour.	SU-8 3035 SU-8 3050 Liquid Product is no Product is no mixtures are 1.6-2.3 (BuA Void Void Void Void Void Void Void	Y311074 Y311075 ot selfignitin ot explosiv possible.	1.146 1.150 ng.	25 24	290 280



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· Pyrophoric solids	Void	
· Self-heating substances and mixtu	res Void	
· Substances and mixtures, which e	nit	
flammable gases in contact with w	ater	
Void		
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- 10.2 Chemical stability Stable
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions Exothermic polymerisation.
- 10.4 Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight. Contact with incompatible materials.

- · 10.5 Incompatible materials: Strong Oxidizing Agents, Strong Bases, Strong Acids, Amines
- 10.6 Hazardous decomposition products:
- Carbon monoxide
- Carbon dioxide
- Danger of forming toxic pyrolysis products.
- Corrosive gases/vapours

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity
- Harmful if inhaled.

		vant for classification:
Epoxy resi	n	
Oral	LD50	>2000 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50	>5 mg/L (Rat)
Epoxy Con	npound	
Oral	LD50	8030 mg/kg (Rat)
Dermal	LD50	4248 mg/kg (Rat)
Inhalative	LC50/4 h	> 5.3 mg/l (Rat)
120-92-3 (Cyclopenta	none
Oral	LD50	1820 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	19.5 mg/l (Rat)
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Proprietary polyglycidyl ether

Oral LD50 >2000 mg/kg (Rat)

• *Skin corrosion/irritation Causes skin irritation.*

· Serious eye damage/irritation

Causes serious eye irritation.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

• Germ cell mutagenicity Based on available data, the classification criteria are not met.

• Carcinogenicity Based on available data, the classification criteria are not met.

• *Reproductive toxicity Based on available data, the classification criteria are not met.*

- \cdot **STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.

• Aspiration hazard Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

Epoxy resin	
100 <lc ec="" ic<="" th=""><th>50 ≤1000 mg/l (algae)</th></lc>	50 ≤1000 mg/l (algae)
	$\leq 1000 \text{ mg/l} \text{ (fish)}$
	$\leq 1000 \text{ mg/l} (invertebrates)$
89452-37-9 Sul	fonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)
LC50/24 h	4.4 mg/l (daphnia)
LC50/48 hr	0.68 mg/L (daphnia)
71449-78-0 Sul	fonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)
LC50/24 h	4.4 mg/l (daphnia)
LC50/48 hr	0.68 mg/L (daphnia)
Ероху Сотрои	nd
EC50/48 h	30 mg/l (daphnia magna)
EC50/72 h	255 mg/l (Desmodesmus subscipatus (green algae))
LC50/96 h	55 mg/l (Cyprinus carpio (common carp))
120-92-3 Cyclo	pentanone
EC50/48 h	3600 mg/l (Ceriodaphnia dubia (water flea))
	100 mg/l (daphnia magna)
EC50/72 h	>100 mg/l (scenedesmus subspicatus)
LC50/48 hr	2950 mg/L (golden orfe)
LC50/96 h	>100 mg/l (fish)

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· 12.4 Mobility in soil No further relevant information available.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Remark: Toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Disposal must be made in accordance with International, National, and regional regulations.

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

14.1 UN number or ID number ADR, IMDG, IATA	UN1866
14.2 UN proper shipping name	
ADR, IATA	RESIN SOLUTION
IMDG	RESIN SOLUTION (Sulfonium, diphenyl[4-(phenylthi
	phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1
	Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-1]
	hexafluoroantimonate(1-) (1:2)), MARINE POLLUTANT
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
- Class	3 Flammable liquids.
Label	3
14.4 Packing group	
ADR, IMDĞ, IATÂ	III



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14.5 Environmental hazards:	Product contains environmentally hazardous substances Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11) hexafluoroantimonate (1-) (1:2)
Marine pollutant:	Yes
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	<i>F-E,S-E</i>
Stowage Category	A
14.7 Maritime transport in bulk according to IM	10
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (\widetilde{EQ})	Code: El
· · · · ·	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN ''Model Regulation'':	UN1866, RESIN SOLUTION, 3, III

SECTION 15: Regulatory information

• 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

• **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

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· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• *Relevant phrases* H226 Flammable liquid and vapour. H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eve damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008

Art. 9(1) of Regulation (EC) No. 1272/2008 was used for classification purposes.

· Department issuing SDS: Product safety department

· Contact: Tom Cole, EHS Manager (tcole@kayakuam.com)

· Revision History:

The manufacturer's information in Section 1, the product hazard information in Section 2 and the component hazard information in Section 3 have been updated.

• Version number of previous version: 8

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2

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