

Printing date 08/20/2021

# 1 Identification

#### · Product identifier

- Trade name: <u>SU-8 Series Resists</u>
- **Product number:** Y131240, Y131252, Y131259, Y131263, Y131265, Y131269, Y131273, Y131274, Y131275 • **Application of the substance / the mixture** Photoresist
- 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
- Information department: Product Safety Email: productsafety@kayakuAM.com • Emergency telephone number: Kayaku Advanced Materials : 617-965-5511 Chemtrec USA Emergency : 800-424-9300
- Chemtrec International Emergency : 703-527-3887

# 2 Hazard(s) identification

\_ .

	the substance or mixture Corrosion
GHS05	Corrosion
Eye Dam. 1	H318 Causes serious eye damage.
GHS09	Environment
Aquatic Chronic	2 H411 Toxic to aquatic life with long lasting effects.
GHS07	,
Acute Tox. 4	H302 Harmful if swallowed.
Skin Irrit. 2	H315 Causes skin irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H336 May cause drowsiness or dizziness.
Aquatic Acute 2	H401 Toxic to aquatic life.
Label elements GHS label eleme	nts The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2)

Reviewed on 08/20/2021



Printing date 08/20/2021

Trade name: SU-8 Series Resists

Reviewed on 08/20/2021

Ugg and nisto ang	(Contd. of page 1
Hazard pictogra	ms
$\land$	
THE REAL	
$\sim \sim$	
GHS05 GHS	07 GHS09
Signal word Dar	nger
Hazard-determi	ning components of labeling:
gamma-Butyrola	
Epoxy resin	
	nyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)
	li-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)
Hazard statemen	
H302 Harmful if	
H315 Causes ski	
	rious eye damage.
	an allergic skin reaction.
	e drowsiness or dizziness.
H401 Toxic to a	
	quatic life with long lasting effects.
<b>Precautionary</b> st P261	Avoid breathing dust/fume/gas/mist/vapors/spray
	Avoid breatning dust/jume/gas/mist/vapors/spray Avoid release to the environment.
P273	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of soap and water.
P304+P341	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable fo breathing.
P305+P351+P3	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if 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.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Classification sy	
NFPA ratings (s	
	ealth = 3
	re = 1
	eactivity $= 0$
HMIS-ratings (s	scale 0 - 4)
HEALTH *3 P	Health = *3
	Fire = 1
	Pre=1
Other hazards	
	and vPvB assessment
<b>PBT:</b> Not applic	



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 2)

· vPvB: Not applicable.

### 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

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

· Dangerous	components:	
	Epoxy resin	35-75%
	𝔣 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	
96-48-0	gamma-Butyrolactone	20-60%
	🔗 Eye Dam. 1, H318; 🐠 Acute Tox. 4, H302; STOT SE 3, H336	
108-32-7	Propylene carbonate	1-5%
	🚸 Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
89452-37-9	Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:	0.5-5.0%
	2) � Aquatic Acute 1, H400; Aquatic Chronic 1, H410; � Skin Sens. 1, H317	
71449-78-0	Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)	0.5-5.0%

## 4 First-aid measures

- · 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.

• After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

- After skin contact: 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; immediately call for medical help. Wash out mouth.

- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed Treat symptomatically.

## 5 Fire-fighting measures

· Extinguishing media

- Suitable extinguishing agents:
- Fire-extinguishing powder
- Alcohol resistant foam
- ABC powder
- · For safety reasons unsuitable extinguishing agents: Water with full jet



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 3)

- Special hazards arising from the substance or mixture In case of fire, the following can be released: Carbon monoxide (CO) Hydrogen fluoride (HF) Formation of toxic gases is possible during heating or in case of fire.
   Advice for firefighters
- · Protective equipment: Wear SCBA.

#### 6 Accidental release measures

OACCILLEN		
· Personal	precautions, protective equipment and emergency procedures	
	tective equipment. Keep unprotected persons away.	
	lequate ventilation	
• Environn	nental precautions:	
Do not al	low product to reach sewage system or any drains.	
Inform re	spective authorities in case of seepage into water course or sewage system.	
	low to enter sewers/ surface or ground water.	
	and material for containment and cleaning up:	
	ith liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).	
	lequate ventilation.	
	e to other sections	
	on 7 for information on safe handling.	
	on 8 for information on personal protection equipment.	
	on 13 for disposal information.	
	e Action Criteria for Chemicals	
· PAC-1:		
96-48-0	gamma-Butyrolactone	3.6 mg/m <sup>3</sup>
108-32-7	Propylene carbonate	34 mg/m <sup>3</sup>
· PAC-2:		
96-48-0	gamma-Butyrolactone	39 mg/m <sup>3</sup>
108-32-7	Propylene carbonate	370 mg/m <sup>3</sup>
· PAC-3:		
	gamma-Butyrolactone	310 mg/m <sup>3</sup>

# 7 Handling and storage

· Handling:

- · Precautions for safe handling
- Ensure good ventilation/exhaust at the workplace. Store in cool, dry place in tightly closed containers. Prevent formation of aerosols.
- Information about protection against explosions and fires: Use explosion-proof apparatus / fittings and spark-proof tools. Protect against electrostatic charges. Keep ignition sources away - Do not smoke.

(Contd. on page 5)

US



Printing date 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 4)

Reviewed on 08/20/2021

- 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. Store in a cool location.
- Information about storage in one common storage facility: Do not store together with oxidizing and acidic materials. Do not store together with alkalis (caustic solutions).
- Further information about storage conditions:
- Protect from exposure to the light.
- Keep container well-sealed in cool, dry location.
- This product is hygroscopic.
- Specific end use(s) No further relevant information available.

# 8 Exposure controls/personal protection

· Control parame	· Control parameters			
· Components wit	Components with limit values that require monitoring at the workplace:     89452-37-9 Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)			
89452-37-9 Sulf				
ACGIH TLV TW	$VA \mid 0.5 \text{ mg/m}^3$			
NIOSH IDLH	$50 mg/m^3$			
OSHA PEL	$0.5 \ mg/m^3$			
71449-78-0 Sulf	fonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)			
	ACGIH TLV TWA: 0.5 mg/m <sup>3</sup>			
NIOSH IDLH	$50 mg/m^3$			
OSHA PEL	$0.5 mg/m^3$			
· Additional infor	<b>rmation:</b> The lists that were valid during the creation were used as basis.			
Immediately rem Wash hands befo Avoid contact wi Avoid contact wi <b>Respiratory equ</b>	ith the eyes and skin. <b>cipment:</b> xposure, use cartridge respirator. In case of intensive or longer exposure, use SCBA.			
	ective gloves rial has to be impermeable and resistant to the product/ the substance/ the preparation.			
• Material of glov	ves Nitrile rubber, NBR			
• Penetration time	e of glove material Contact glove manufacture for break-through time. (Contact glove manufacture for break-through time.	td. on page 6,		



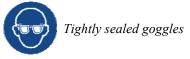
Printing date 08/20/2021

Trade name: SU-8 Series Resists

Reviewed on 08/20/2021

(Contd. of page 5)

• Eye protection:



Information on basic physical and	chemical properties	
General Information Appearance: Form: Color: Odor: Odor threshold:	Fluid Clear to light yellow Mild Not determined.	
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 205 °C (401 °F)	
Flash point:	100 °C (212 °F)	
Flammability (solid, gaseous):	Not applicable.	
Ignition temperature:	445 °C (833 °F)	
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower: Upper:	2.7 Vol % 15.6 Vol %	
Vapor pressure at 20 $\bullet C$ (68 $\bullet F$ ):	1 hPa (0.8 mm Hg)	
Density: Relative density Vapor density Evaporation rate	See Table 1 Other Information below Not determined. Not determined. 1.6-2.3 (BuAc=1)	
Solubility in / Miscibility with Water:	Partly miscible.	
Partition coefficient (n-octanol/wat	er): Not determined.	
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.	



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

Solvent content: VOC content:	See Table	1 below			
Other information	Table 1.	Poduct spec	ific graving,	VOC, and wa	ter solubility data.
					Water
			Vold	atiles VOC	Solubility
	Name	Sp. Grav.	%by wt.	(g/L)	(Wt %)
	SU8-2	1.123	60.5	680	60.5
	SU8-5	1.164	45-50	560	45-50
	SU8-10	1.187	35-40	490	35-40
	SU8-25	1.200	35-40	440	35-40
	SU8-40	1.210	33-37	425	33-37
	SU8-50	1.219	30-35	380	30-35
	SU8-100	1.233	20-30	330	20-30
	SU8-250	1.236	20-30	320	20-30
	SU8-500+	- 1.237	20-30	310	20-30

# 10 Stability and reactivity

· *Reactivity* No further relevant information available.

- · Chemical stability Stable
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions Exothermic polymerization.
- *Conditions to avoid* Heat, flames and sparks. Extremes of temperature and direct sunlight. Contact with incompatible materials.
- · Incompatible materials: Strong Oxidizing Agents, Strong Acids, Strong Bases
- Hazardous decomposition products: Carbon monoxide and carbon dioxide Antimony oxide Corrosive gases/vapors Danger of toxic pyrolysis products.

# 11 Toxicological information

· Information on toxicological effects

• Acute toxicity:

LD/LC50 values that are relevant for classification: Epoxy resin		
Oral	LD50	>2000 mg/kg (Rat)
Dermal	LD50	>2000  mg/kg (rabbit)
Inhalative	LC50	5 mg/L (Rat)
96-48-0 ga	ımma-But	yrolactone
Oral	LD50	1540 mg/kg (Rat)
Dermal	LD50	5000 mg/kg (gui)
Inhalative	LC50/4 h	>5.1 mg/l (Rat)
	1	(Contd. on page

-US-

Reviewed on 08/20/2021



Safety Data Sheet acc. to OSHA HCS

Printing date 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 7) 108-32-7 Propylene carbonate Oral LD50 29000 mg/kg (Rat) LD50 Dermal >20,000 mg/kg (rabbit) • Primary irritant effect: • on the skin: Irritant to skin and mucous membranes. • on the eye: Irritating effect. • Sensitization: Sensitization possible through skin contact. • Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant · Carcinogenic categories · IARC (International Agency for Research on Cancer) 96-48-0 gamma-Butyrolactone 3 · NTP (National Toxicology Program) None of the ingredients are listed. · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

# 12 Ecological information

· Toxicity

Epoxy resin	
100 <lc ec="" ic<="" th=""><th><math>50 \le 1000 \text{ mg/l} (algae)</math></th></lc>	$50 \le 1000 \text{ mg/l} (algae)$
	$\leq 1000 \text{ mg/l} \text{ (fish)}$
	$\leq 1000 \text{ mg/l} (invertebrates)$
96-48-0 gamma	a-Butyrolactone
EC50/17 h	>10000 mg/l (bacterium)
EC50/48 h	>500 mg/l (daphnia magna)
EC50/72 h	360 mg/l (green algae)
LC50/96 h	>220 - <460 mg/l (golden orfe)
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 Su	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)
Behavior in en Bioaccumulati	<b>I degradability</b> A part of the components is biodegradable. <b>vironmental systems:</b> <b>ve potential</b> No further relevant information available. No further relevant information available. <b>cts:</b>



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 8)

- Additional ecological information:
- · General notes:

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

- · Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

### 13 Disposal considerations

· Waste treatment methods

· Recommendation:

Must not be disposed of as regular garbage/trash. Do not allow product to reach sewage system. Disposal must be made in accordance with Federal, State, and Local regulations.

· Uncleaned packagings:

• Recommendation: Disposal must be made in accordance with Federal, State, and Local regulations.

UN-Number DOT, ADR, IMDG, IATA	UN3082
UN proper shipping name DOT	Environmentally hazardous substance, liquid, n.o.s. (Sulfonium d i p h e n y l [ 4 - (p h e n y l t h i o) p h e n y l ] -, (OC - 6 - 1 1) hexafluoroantimonate(1-) (1:1), Sulfonium, (thiodi-4,1-phenylene bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2))
ADR, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11) hexafluoroantimonate(1-) (1:1), Sulfonium, (thiodi-4,1-phenylene bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2))
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11) hexafluoroantimonate(1-) (1:1), Sulfonium, (thiodi-4,1-phenylene bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)) MARINE POLLUTANT
Transport hazard class(es)	
DOT, ADR, IMDG, IATA	
Class Label	9 Miscellaneous dangerous substances and articles 9



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

	(Contd. of page
Packing group DOT, ADR, IMDG, IATA	111
Environmental hazards:	Product contains environmentally hazardous substances Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11) hexafluoroantimonate (1-) (1:2)
Marine pollutant:	Yes
Special precautions for user Hazard identification number (Kemler code): EMS Number:	Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F
Stowage Category	A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
ADR Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN ''Model Regulation'':	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (SULFONIUM, DIPHENYL[4-(PHENYLTHIC PHENYL]-, (OC-6-11)-HEXAFLUOROANTIMONATE(1-) (1:1) SULFONIUM, (THIODI-4,1-PHENYLENE) BIS[DIPHENYL ,(OC-6-11)-HEXAFLUOROANTIMONATE (1-) (1:2)), 9, III

# 15 Regulatory information

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

• Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

71449-78-0 Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)

89452-37-9 Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)

• TSCA (Toxic Substances Control Act):

All ingredients are listed or comply with TSCA regulations.

All components have the value ACTIVE.

(Contd. on page 11)

– US



Printing date 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 10)

Reviewed on 08/20/2021

• *Hazardous Air Pollutants* None of the ingredients are listed.

· Proposition 65

• Chemicals known to cause cancer:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

#### · Carcinogenic categories

· EPA (Environmental Protection Agency)

None of the ingredients are listed.

TLV (Threshold Limit Value)

None of the ingredients are listed.

·NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients are listed.

#### · New Jersey State Right To Know List

96-48-0 gamma-Butyrolactone

· Pennsylvania Hazardous Substances List

96-48-0 gamma-Butyrolactone

· California SCAQMD Rule 443.1 VOC's: See Table 1 - Section 9

• *GHS label elements* The product is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms* 



· Signal word Danger

Hazard-determining components of labeling: gamma-Butyrolactone Epoxy resin
Sulfonium, diphenyl[4-(phenylthio)phenyl]-, (OC-6-11)-hexafluoroantimonate(1-) (1:1)
Sulfonium, (thiodi-4,1-phenylene) bis[diphenyl-,(OC-6-11)-hexafluoroantimonate (1-) (1:2)
Hazard statements
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.



Printing date 08/20/2021

Reviewed on 08/20/2021

Trade name: SU-8 Series Resists

	(Contd. of page 11)
Precautionary st	tatements
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P302+P352	If on skin: Wash with plenty of soap and water.
P304+P341	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for
	breathing.
P305+P351+P3	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
	and easy to do. Continue rinsing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
<i>P337+P313</i>	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.
Chemical safety	assessment: A Chemical Safety Assessment has not been carried out

## 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.

· Department issuing SDS: Product safety department

• *Contact: Tom Cole, EHS Manager (tcole@kayakuAM.com)* 

· Revision History:

The business address of the manufacturer in Section 1 was updated. The hazard classification and precautionary statements for the mixture in Section 2 were revised. The toxicology data in Sections 11 and 12 were revised. Updated hazards for gamma-Butyrolactone (CAS 96-48-0)

- · Date of preparation / last revision 08/20/2021 / 7
- 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 DOT: US Department of Transportation IATA: International Air Transport Association 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) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety **OSHA:** Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit 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. 2A: Serious eye damage/eye irritation - Category 2A (Contd. on page 13) US



Reviewed on 08/20/2021

Printing date 08/20/2021

Trade name: SU-8 Series Resists

(Contd. of page 12)

Skin Sens. 1: Skin sensitisation – Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2 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 • \* Data compared to the previous version altered.