

1. Identification

Product identifier	UVgel 460 ink Yellow	
Other means of identification		
Article Number	1070104728, 1070110614	
Other means of identification		
Product code	1965C040AA, 1965C065AA	
Recommended use of the chemical and restrictions on use		
Recommended use	Inkjet printing ink.	
Recommended restrictions	Other uses not recommended. Other uses not recommended.	
Manufacturer/Importer/Supplier/Distributor information		
Supplier	Canon Singapore Pte. Ltd.	
Address	1 Fusionopolis Place	
City	#15-10, Galaxis	
Country	Singapore 138522	
Telephone number	+65 6799 8888	
E-mail address	sds-hq@cpp.canon	
Emergency telephone number		
NCEC Service	+65 3158 1074 For chemical emergencies only.	

2. Hazards identification

GHS classification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 1B
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2

GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statements

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. May damage fertility or the unborn child. Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention	Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves and eye/face protection.
Response	IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre/doctor.
Storage	Not available.
Disposal	Not available.

Other hazards which do not result in classification

None known.

Supplemental information

None.

3. Composition/information on ingredients

Substance or mixture	Mixture
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Chemical name	Common name and synonyms	CAS Number	Concentration (%)
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate		66492-51-1	40 - < 60
Polymer		Proprietary	10 - < 30
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE		84170-74-1	5 - <10
2-Propenoic acid, 1,6-hexanediyl ester, polymer with 2-aminoethanol		67906-98-3	1 - < 5
Ethyl 4-dimethylaminobenzoate		10287-53-3	1 - < 5
Alcohol		Proprietary	1 - <3
Trimethylolpropane triacrylate		15625-89-5	1 - <3
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]		1393932-71-2	1 - <2.5
HEXAMETHYLENE DIACRYLATE (HDDA)		13048-33-4	< 1
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide		162881-26-7	< 1
GLYCEROL PROPOXYLATE TRIACRYLATE		52408-84-1	< 0.25

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Not available.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Special protective equipment and precautions for firefighters	Wear suitable protective equipment.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewer, basements or confined areas. 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. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Control parameters/Occupational exposure limits	No exposure limits noted for ingredient(s).
Appropriate engineering control measures	Provide adequate ventilation. See operator manual or safety data sheet of the printer.
Individual protection measures, such as personal protective equipment	
Eye/face protection	If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.: Ansell Microflex ® 93-260 (240 minutes)
Other	No special protective equipment required.
Respiratory protection	Not required during normal intended use of this product.
Thermal hazards	Not normally needed.
General hygiene considerations	Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Colour	Yellow
Odour	Very faint.
Odour threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	139.0 °C (282.2 °F) Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive limit - lower (%)	Not applicable
Explosive limit – upper (%)	Not applicable
Vapour pressure	<70 hPa at 70 C
Vapour density	Not available.
Relative density	Not available.

Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	300 °C (572 °F)
Decomposition temperature	Not available.
Viscosity	190 - 250 mPa·s at 17 C 14.5 mPa·s at 70 C
Other data	
Density	1.11 g/cm ³ at 17 C 1.07 g/cm ³ at 70 C 0.90 g/cm ³ estimated
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
VOC	3.24 % 2010/75/EU @36°C

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	None known.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Health injuries are not known or expected under normal use.

Acute toxicity Based on available data, the classification criteria are not met.

Components	Species	Test Results
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate (CAS 66492-51-1)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	> 2000 mg/kg
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol] (CAS 1393932-71-2)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg, 24 Hours
Inhalation		
<i>Vapour</i>		
LC50	Rat	> 0.41 mg/l, 7 Hours read across
Oral		
LD50	Rat	> 5000 mg/kg OECD401
Ethyl 4-dimethylaminobenzoate (CAS 10287-53-3)		
Acute		
Dermal		
<i>Solid</i>		
LD50	Rabbit	> 2000 mg/kg bw/day

Components	Species	Test Results
Oral <i>Solid</i> LD50	Rat	> 2000 mg/kg bw/day
GLYCEROL PROPOXYLATE TRIACRYLATE (CAS 52408-84-1)		
Acute Dermal LD50	Rabbit	> 2000 mg/kg, 24 Hours
Oral LD50	Rat	> 2000 mg/kg
HEXAMETHYLENE DIACRYLATE (HDDA) (CAS 13048-33-4)		
Acute Dermal LD50	Rabbit	3650 mg/kg, 24 Hours
Oral LD50	Rat	> 5000 mg/kg
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide (CAS 162881-26-7)		
Acute Dermal LD50	Rat	> 2000 ml/kg
Oral LD50	Rat	> 2000 mg/kg
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE (CAS 84170-74-1)		
Acute Dermal LD50	Rat	> 2000 mg/kg, 24 Hours
Oral LD50	Rat	> 5000 mg/kg
Trimethylolpropane triacrylate (CAS 15625-89-5)		
Acute Oral LD50	Rat	> 5000 mg/kg
Symptoms	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.	
Skin corrosion/irritation	Causes skin irritation.	
Irritation Corrosion - Skin		
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 404	Result: Irritating
	Species: Rabbit	
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 404	Result: Irritating
	Species: Rat	
Trimethylolpropane triacrylate	OECD 404	Result: Irritating
	Species: Rat	
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 404	Result: Not irritating
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	OECD 404	Result: Not irritating
	Species: Rabbit	
Ethyl 4-dimethylaminobenzoate	OECD 404	Result: Not irritating
	Species: Rabbit	
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 404	Result: Not irritating
	Species: Rabbit	
Serious eye damage/eye irritation	Causes serious eye irritation.	

Eye

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	EU B,5 Result: Not irritating Species: Rabbit
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 405 Result: Irritating Species: Rabbit
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 405 Result: Not irritating
Ethyl 4-dimethylaminobenzoate	OECD 405 Result: Not irritating Species: Rabbit
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 405 Result: Not irritating Species: Rabbit
Trimethylolpropane triacrylate	Result: Irritating
Irritation Corrosion - Eye	
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 405 Result: Not irritating
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	OECD405 Result: Irritating

Respiratory or skin sensitisation

Respiratory sensitisation Not a respiratory sensitiser.

Skin sensitisation May cause an allergic skin reaction.

Skin Sensitisation

Ethyl 4-dimethylaminobenzoate	OECD 406 Result: Not sensitizing Species: Guinea pig
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 406 Result: sensitising Species: Guinea pig
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 406 Result: sensitising Species: Guinea pig
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 406, GMPT Result: sensitising Species: Guinea pig
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	OECD 429 Result: positive Species: Mouse
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 429 Result: sensitising Severity: EC3=2,8%
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 429 Result: sensitising Severity: EC3=4,6%
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 429, LLNA Result: sensitising Species: Mouse Severity: EC3 = 0,9%
Trimethylolpropane triacrylate	Result: sensitising Species: Human

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Germ cell mutagenicity: Ames test

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 471 Result: Negative.
Ethyl 4-dimethylaminobenzoate	OECD 471 Result: Negative.
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 471 Result: Negative.
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 471 Result: Negative.
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	OECD 471 Result: positive
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 471, In vitro Result: Negative
Trimethylolpropane triacrylate	OECD 471, In vitro Result: Negative

Germ cell mutagenicity: Chromosome Aberration

Ethyl 4-dimethylaminobenzoate	0, without metabolic activation.
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 473 Result: Negative.
Trimethylolpropane triacrylate	OECD 473, In vitro Result: positive
Ethyl 4-dimethylaminobenzoate	OECD 473, with metabolic activation Result: positive

Germ cell mutagenicity: Micronucleus

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 474 Result: Negative.
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	OECD 474 Result: Negative.
Ethyl 4-dimethylaminobenzoate	OECD 474 Result: Negative. Species: Mouse
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 474, (similar product) Result: Negative.
Trimethylolpropane triacrylate	OECD 474, in vivo Result: Negative
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 487, In vitro Result: Negative

Mutagenicity

PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 467 Result: Negative.
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 476 Result: Negative.
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 476 Result: Negative.
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 476 Result: Negative.
Trimethylolpropane triacrylate	OECD 476, In vitro Result: positive OECD 489, in vivo Result: Negative

Carcinogenicity Suspected of causing cancer.**IARC Monographs. Overall Evaluation of Carcinogenicity**

Trimethylolpropane triacrylate (CAS 15625-89-5)	2B Possibly carcinogenic to humans.
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Reproductive toxicity May damage fertility or the unborn child.**Developmental effects**

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 414 Result: Negative. Species: Rat
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 414 Result: Negative. Species: Rat
Trimethylolpropane triacrylate	OECD 422 Result: Negative Species: Rat

Fertility effects - Males

Ethyl 4-dimethylaminobenzoate	OECD 421 Result: positive Species: Rat Organ: Testes
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Fertility effects - Males and females

PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 421 Result: Negative.
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Reproductivity

PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	OECD 421 Result: Negative.
Trimethylolpropane triacrylate	OECD 422 Result: Negative Species: Rat
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 422 Result: Negative.
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 422 Result: Negative. Species: Rat

Reproductivity

2-Propenoic acid, reaction products with
2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]

OECD 422, (similar product)

Result: Negative.

Species: Rat

OECD414

Result: Negative.

Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE

OECD 407

Result: Negative.

Species: Rat

HEXAMETHYLENE DIACRYLATE (HDDA)

OECD 422

Result: Negative.

Species: Rat

Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide

Result: Negative.

Species: Rat

Test Duration: 90 d

Aspiration hazard Not an aspiration hazard.

Chronic effects Not available.

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Components	Species		Test Results
(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate (CAS 66492-51-1)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	34 mg/l, 72 h
Crustacea	LC50	Daphnia	20 mg/l, 48 h
Fish	LC50	Fish	4 mg/l, 96 h
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol] (CAS 1393932-71-2)			
Aquatic			
<i>Acute</i>			
Fish	LC50	Fish	1.2 mg/l, 96 h
Ethyl 4-dimethylaminobenzoate (CAS 10287-53-3)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	2.8 mg/l, 72 h
Crustacea	LC50	Daphnia	31.8 mg/l, 48 h
Fish	LC50	Fish	1.9 mg/l, 96 h
HEXAMETHYLENE DIACRYLATE (HDDA) (CAS 13048-33-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	1.5 mg/l, 72 h
Crustacea	LC50	Daphnia	2.6 mg/l, 48 h
Fish	LC50	Fish	0.38 mg/l, 96 h
<i>Chronic</i>			
Algae	NOEC	Algae	0.5 mg/l, 21 d
Crustacea	NOEC	Daphnia	0.14 mg/l, 21 d
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide (CAS 162881-26-7)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	0.26 mg/l, 72 h Supersaturated suspension
Crustacea	LC50	Daphnia	1.1 mg/l, 48 h Supersaturated suspension
Fish	LC50	Fish	> 90 µg/l, 96 h Supersaturated suspension

Components	Species		Test Results
<i>Chronic</i>			
Crustacea	NOEC	Crustacea	8.1 µg/l, 21 d
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE (CAS 84170-74-1)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	3.4 mg/l, 72 h
Crustacea	LC50	Daphnia	37 mg/l, 48 h
Fish	LC50	Fish	2.7 mg/l, 96 h
Trimethylolpropane triacrylate (CAS 15625-89-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	> 4.9 - < 14.5 mg/l, 96 h
Crustacea	EC50	Invertebrates (Invertebrates)	19.9 mg/l, 48 h
Fish	LC50	Fish	0.87 mg/l, 96 h

Persistence and degradability

Biodegradability

Percent Degradation (Aerobic Biodegradation)

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	OECD 301B Result: 28
Ethyl 4-dimethylaminobenzoate	OECD 301B, Not readily biodegradable Result: 40
HEXAMETHYLENE DIACRYLATE (HDDA)	60 - 70 % OECD 310
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	Result: Inherently biodegradable

Bioaccumulative potential

Bioconcentration factor

2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]	388 % v/w
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	< 5

Octanol/water partition coefficient log Kow

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate	> 1.9
HEXAMETHYLENE DIACRYLATE (HDDA)	2.81, Log Kow
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	5.8
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE	2.41 - 3.87, Log Kow
Trimethylolpropane triacrylate	> 3.3

Mobility in soil No data available.

Adsorption

Soil/Sediment Sorption - Log Koc

Ethyl 4-dimethylaminobenzoate	Result: 2,8
HEXAMETHYLENE DIACRYLATE (HDDA)	2.1
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	3.85
Trimethylolpropane triacrylate	2.24

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

14. Transport information

ADR

UN number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (5-Ethyl-1,3-dioxan-5-yl)methyl acrylate, Trimethylolpropane triacrylate)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Hazard No. (ADR)	90

Tunnel restriction code E
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
((5-Ethyl-1,3-dioxan-5-yl)methyl acrylate, Trimethylolpropane triacrylate)
Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
((5-Ethyl-1,3-dioxan-5-yl)methyl acrylate, Trimethylolpropane triacrylate)
Transport hazard class(es)
Class 9
Subsidiary risk -
Label(s) 9
Packing group III
Environmental hazards Yes
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

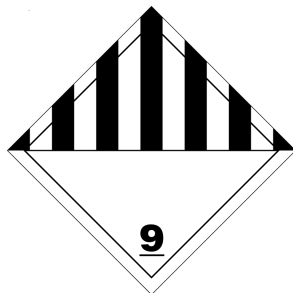
IATA

UN number UN3082
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s. ((5-Ethyl-1,3-dioxan-5-yl)methyl acrylate, Trimethylolpropane Triacrylate)
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards Yes
ERG Code 9L
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.

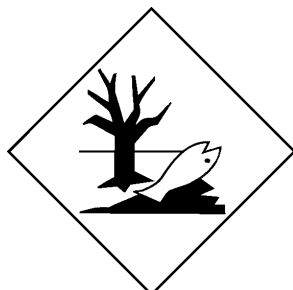
IMDG

UN number UN3082
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
((5-Ethyl-1,3-dioxan-5-yl)methyl acrylate, Trimethylolpropane Triacrylate), MARINE POLLUTANT
Transport hazard class(es)
Class 9
Subsidiary risk -
Packing group III
Environmental hazards
Marine pollutant Yes
EmS F-A, S-F
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Prior Informed Consent (PIC) Substances (Environment Protection and Management Act, 2nd Schedule, Part 1, Jul. 1, 2013)

Not regulated.

Chemical Weapons Prohibition (Act)

Not applicable.

Environmental Protection and Management (Hazardous Substances) Regulations

Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide 0 kg
(CAS 162881-26-7)

Environmental Public Health Act

Not applicable.

Misuse of Drugs Act

Controlled Narcotic Drugs (Misuse of Drugs Act, First Schedule, Part I, II & III, as amended)

Not regulated.

Drug Precursors (Misuse of Drugs Act, Third Schedule, Parts I & II, as amended)

Not regulated.

Controlled Specified Drugs (Misuse of Drugs Act, Fourth Schedule, as amended)

Not regulated.

International regulations

Montreal Protocol

Not applicable.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

References

Not available.

Issued by

Not available.

Prepared by

Not available.

Disclaimer

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation and is believed to be accurate. It provides guidance on health, safety and environmental aspects of the product and should neither be construed as any guarantee of specific properties nor of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1. This document was prepared to the requirements of the jurisdiction in Section 1 and may not meet regulatory requirements in other countries or territories. The information contained in this safety data sheet does not replace the user's own assessment of workplace risks, as required by applicable health and safety legislation.

Issue date

21-June-2019

Revision date

08-December-2023

Key/legend

Not applicable.

Revision information

Hazards identification: Prevention

Hazards identification: Response

Hazards identification: Supplemental information

Composition / Information on Ingredients: Disclosure Overrides

Toxicological information: Acute toxicity

Toxicological information: Carcinogenicity