

Section 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.	
Restrictions on use	Other uses not recommended. Other uses not recommended.	
Details of manufacturer or importer		
Supplier	Canon Production Printing New Zealand Limited	
Address	28 The Warehouse Way	
City	Northcote, Auckland, 0627	
Country	New Zealand	
Telephone number	0800 222 666 (B/hours)	
E-mail address	qse@canon.com.au	
Emergency telephone number		
National Poisons Center	0800 764 766 24 hour emergency number	
NCEC Service	+64 9929 1483 For chemical emergencies only.	

Section 2: Hazard identification

Classification of the hazardous chemical

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, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

Label elements, including precautionary statements

Hazard symbol(s)			
	Health hazard	Exclamation mark	Environment

Signal word	Danger
Hazard statement(s)	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. Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
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.

Supplemental information None.

Section 3: Composition/information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
(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

Section 4: First-aid measures

Description of necessary 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.
Personal protection for first-aid responders	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.
Symptoms caused by exposure	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.
Medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Section 5: Fire-fighting measures

Extinguishing media

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.
Special protective equipment and precautions for fire fighters	Wear suitable protective equipment.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Hazchem code	None.
Hazards from combustion products	None.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.
- For emergency responders** Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapours. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.

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.

Section 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).

Section 8: Exposure controls/personal protection

Control parameters Follow standard monitoring procedures.

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Provide adequate ventilation. See operator manual or safety data sheet of the printer.

Individual protection measures, for example personal protective equipment (PPE)

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.

Hygiene measures 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.

Section 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.
Upper/lower flammability or explosive limits	
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.
Kinematic viscosity	Not available.
Other physical and chemical parameters	
Density	1.11 g/cm3 at 17 C 1.07 g/cm3 at 70 C 0.90 g/cm3 estimated
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Viscosity	190 - 250 mPa·s at 17 C 14.5 mPa·s at 70 C
VOC	3.24 % 2010/75/EU @36°C

Section 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.

Section 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.
Symptoms related to the physical, chemical and toxicological characteristics	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.

Information on toxicological effects

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

Components	Species	Test Results
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
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
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

Irritation Corrosion - Skin

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

Ethyl 4-dimethylaminobenzoate

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

OECD 404
Result: Not irritating
OECD 404
Result: Not irritating
Species: Rabbit
OECD 404
Result: Not irritating
Species: Rabbit
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

HEXAMETHYLENE DIACRYLATE (HDDA)

PROPOXYLATED NEOPENTYL GLYCOL
DIACRYLATE
Ethyl 4-dimethylaminobenzoate

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

Trimethylolpropane triacrylate
Irritation Corrosion - Eye
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide

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

EU B,5
Result: Not irritating
Species: Rabbit
OECD 405
Result: Irritating
Species: Rabbit
OECD 405
Result: Not irritating
OECD 405
Result: Not irritating
Species: Rabbit
OECD 405
Result: Not irritating
Species: Rabbit
Result: Irritating
OECD 405
Result: Not irritating
OECD405
Result: Irritating

Respiratory irritation

Not available.

Respiratory or skin sensitisation**Respiratory sensitisation**

Not a respiratory sensitiser.

Skin sensitisation

May cause an allergic skin reaction.

Skin Sensitisation

Ethyl 4-dimethylaminobenzoate

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

PROPOXYLATED NEOPENTYL GLYCOL
DIACRYLATE

HEXAMETHYLENE DIACRYLATE (HDDA)

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

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate

PROPOXYLATED NEOPENTYL GLYCOL
DIACRYLATE

HEXAMETHYLENE DIACRYLATE (HDDA)

Trimethylolpropane triacrylate

OECD 406
Result: Not sensitizing
Species: Guinea pig
OECD 406
Result: sensitising
Species: Guinea pig
OECD 406
Result: sensitising
Species: Guinea pig
OECD 406, GMPT
Result: sensitising
Species: Guinea pig
OECD 429
Result: positive
Species: Mouse
OECD 429
Result: sensitising
Severity: EC3=2,8%
OECD 429
Result: sensitising
Severity: EC3=4,6%
OECD 429, LLNA
Result: sensitising
Species: Mouse
Severity: EC3 = 0,9%
Result: sensitising
Species: Human
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.

ACGIH Carcinogens

Not available.

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**Fertility effects - Males and females**PROPOXYLATED NEOPENTYL GLYCOL
DIACRYLATEOECD 421
Result: Negative.**Reproductivity**PROPOXYLATED NEOPENTYL GLYCOL
DIACRYLATEOECD 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: Rat2-Propenoic acid, reaction products with
2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]OECD 422, (similar product)
Result: Negative.

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

OECD414
Result: Negative.**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.**Narcotic effects** Due to lack of data the classification is not possible.**Section 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

Components		Species	Test Results
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

Acute

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

Chronic

Crustacea	NOEC	Crustacea	8.1 µg/l, 21 d
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PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE (CAS 84170-74-1)

Aquatic

Acute

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

Acute

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

Partition coefficient

n-octanol / water (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

Bioconcentration factor

(BCF)

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

Mobility in soil No data available for this product.

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.

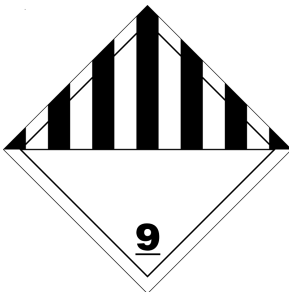
Section 13: Disposal considerations

Disposal methods	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.
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Special precautions to be taken during disposal	Dispose in accordance with all applicable regulations.
Method of disposal that should not be used	None known.

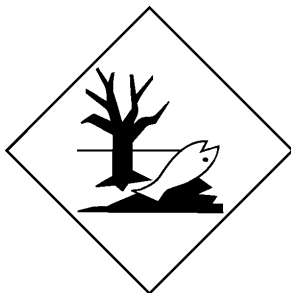
Section 14: Transport information

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.

IATA; IMDG



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

Section 15: Regulatory information

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

(5-Ethyl-1,3-dioxan-5-yl)methyl acrylate (CAS 66492-51-1)	May be used as a single component chemical under an appropriate group standard
2-Propenoic acid, 1,6-hexanediyl ester, polymer with 2-aminoethanol (CAS 67906-98-3)	May be used as a single component chemical under an appropriate group standard
Alcohol (CAS Proprietary)	May be used as a single component chemical under an appropriate group standard
Ethyl 4-dimethylaminobenzoate (CAS 10287-53-3)	May be used as a single component chemical under an appropriate group standard
GLYCEROL PROPOXYLATE TRIACRYLATE (CAS 52408-84-1)	May be used as a single component chemical under an appropriate group standard
HEXAMETHYLENE DIACRYLATE (HDDA) (CAS 13048-33-4)	May be used as a single component chemical under an appropriate group standard
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide (CAS 162881-26-7)	May be used as a single component chemical under an appropriate group standard
PROPOXYLATED NEOPENTYL GLYCOL DIACRYLATE (CAS 84170-74-1)	May be used as a single component chemical under an appropriate group standard
Trimethylolpropane triacrylate (CAS 15625-89-5)	May be used as a single component chemical under an appropriate group standard

ERMA New Zealand approval code

HSR002679 Surface coatingsand Colourants(Carcinogenic) Group Standard

Section 16: Other information

Issue date	21-June-2019
Revision date	08-December-2023
Version No.	4.1
Key abbreviations or acronyms used	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.

Revision information

Section 2: Hazard identification: Prevention
Section 2: Hazard identification: Response
Section 2: Hazard identification: Supplemental information
Composition / Information on Ingredients: Disclosure Overrides
Section 11: Toxicological information: Acute toxicity
Section 11: Toxicological information: Carcinogenicity