



SAFETY DATA SHEET

1. Identification

Product identifier	UVgel 460 ink White
Other means of identification	
Article Number	1070125789,1070124421
Other means of identification	
Product code	6125C001AA, 6125C002AA
Recommended use of the chemical and restrictions on use	
Recommended use	Inkjet printing ink.
Restrictions on use	Other uses not recommended.

Details of manufacturer or importer

Supplier	Canon Production Printing Australia Pty Ltd
Address	Bldg 1, 195 Wellington Road
City	Clayton, 3168
Country	Australia
Telephone number	+61-1300-363-440 (B/hours)
E-mail address	qse@canon.com.au
Emergency telephone number	
Poisons Information Centre	13 11 26
NCEC Service	+61 2081 44558 For chemical emergencies only.

2. Hazard(s) 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 2

Label elements, including precautionary statements

Hazard symbol(s)



Health hazard

Exclamation mark

Signal word

Warning

Hazard statement(s)

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer.

Precautionary statement(s)

Prevention

Wear protective gloves and eye/face protection.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing and wash before reuse.

Storage

Not available.

Disposal

Not available.

Supplemental information Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Other hazards which do not result in classification The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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
Titanium dioxide	13463-67-7	10 - < 30
2-Propenoic acid, 1,6-hexanediyl ester, polymer with 2-aminoethanol	67906-98-3	1 - < 5
Alcohol	Proprietary	1 - < 5
Trimethylolpropane triacrylate	15625-89-5	1 - < 5
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
2-Phenoxyethyl acrylate	48145-04-6	< 0.25

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. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 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.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing equipment	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing equipment	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 firefighters	Wear suitable protective equipment.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Hazchem code	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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions

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. 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 and personal protection

Control parameters

Follow standard monitoring procedures.

Occupational exposure limits

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	Inhalable dust.

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	2.5 mg/m ³	Respirable finescale particles
		0.2 mg/m ³	Respirable nanoscale particles

UK. OELs. Workplace Exposure Limits (WELs) (EH40/2005 (Fourth Edition 2020)), Table 1

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	4 mg/m ³	Respirable.
		10 mg/m ³	Inhalable

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG), as updated

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	TWA	0.3 mg/m ³	Respirable fraction.

Biological limit values

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

Control banding

Not available.

Engineering controls

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

Individual protection measures, such as 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.
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9. Physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	White.
Odour	Very faint.
Odour threshold	Not available.
pH	Not applicable
Melting point/freezing point	Not available.
Boiling point and boiling range	Not available
Flash point	139.0 °C (282.2 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower explosive limits	
Explosion limit - lower (%)	Not applicable
Explosion limit - upper (%)	Not applicable
Vapour pressure	<70 mbar at 70 C
Vapour density	Not available.
Relative density	Not available.
Solubility	
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 12.5 mPa·s at 70 C
Particle characteristics	Not available.
Data relevant with regard to physical hazard classes	No relevant additional information available.
Other physical and chemical parameters	
Density	1.25 g/cm ³ at 25 C 1.20 g/cm ³ at 70
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
VOC	3.24 % 2010/75/EU 0 % Switzerland

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 possible 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.

Early onset symptoms related to 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.

Delayed health effects from exposure Not available.

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-Phenoxyethyl acrylate (CAS 48145-04-6)		
Acute		
Oral		
LD50	Rat	5000 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
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

Components	Species	Test Results
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
2-Propenoic acid, reaction products with 2,2'-[oxybis(methylene)]bis[2-ethyl-1,2-propanediol]		OECD 404 Result: Not irritating Species: Rabbit
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide		OECD 404 Result: Not irritating Species: Rabbit
Serious eye damage/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
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		
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide		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%
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.
Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	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

Phenylbis(2,4,6-trimethylbenzoyl) phosphine-oxide	OECD 473 Result: Negative.
Trimethylolpropane triacrylate	OECD 473, In vitro 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.
Trimethylolpropane triacrylate	OECD 474, in vivo Result: Negative
HEXAMETHYLENE DIACRYLATE (HDDA)	OECD 487, In vitro Result: Negative

Mutagenicity

(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

Titanium dioxide (CAS 13463-67-7)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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IARC Monographs. Overall Evaluation of Carcinogenicity

Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.
Trimethylolpropane triacrylate (CAS 15625-89-5)	2B Possibly carcinogenic to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

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

Reproductivity

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.

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.

12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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
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
<i>Chronic</i>			
Crustacea	NOEC	Crustacea	8.1 µg/l, 21 d

Components	Species		Test Results
Titanium dioxide (CAS 13463-67-7)			
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 1000 mg/l, 48 hours
Fish	LC50	Mummichog (<i>Fundulus heteroclitus</i>)	> 1000 mg/l, 96 hours
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
HEXAMETHYLENE DIACRYLATE (HDDA)	60 - 70 % OECD 310

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
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

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

14. Transport information

ADG

UN number	3082
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
Hazchem code •3Z
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

UN number 3082
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 3082
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

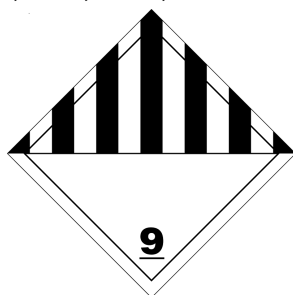
Passenger and cargo aircraft Allowed with restrictions.
Cargo aircraft only Allowed with restrictions.

IMDG

UN number 3082
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.

ADG; IATA; IMDG; RID



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

15. Regulatory information

Safety, health and environmental regulations

National regulations

This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals.

High Volume Industrial Chemicals (HVIC)

Titanium dioxide (CAS 13463-67-7)

100000 - 999999 TONNES See the regulation for additional information.

Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)

Not listed.

National Pollutant Inventory (NPI) substance reporting list

Titanium dioxide (CAS 13463-67-7)

2000 tonnes/yr Threshold Category: 2B
400 tonnes/yr Threshold Category: 2A

Prohibited Carcinogenic Substances

Not regulated.

Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)

Not listed.

Restricted Carcinogenic Substances

Not regulated.

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not listed.

International regulations

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto Protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

Issue date

13-January-2023

Revision date

12-December-2023

Key abbreviations or acronyms used

AICIS: Australian Inventory of Industrial Chemicals.

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

Product and Company Identification: Material Articles
Composition / Information on Ingredients: Disclosure Overrides
Toxicological information: Carcinogenicity