

# SAFETY DATA SHEET

UVgel 356A ink Yellow



A CANON COMPANY

## Section 1. Identification

Product identifier : UVgel 356A ink Yellow  
Article number (Océ) : 1070002854  
Product code (Canon) : 1985C023AA  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Inkjet printing ink for Océ Colorado 1640 Printer. Other uses are not recommended.

Supplier's details : Océ Australia Pty Ltd, Bldg 1, 195 Wellington Road, Clayton, 3168 Australia  
Telephone (B/hours): +61 1300 363 440  
Aarque Group  
2a Waipareira Ave, Henderson, Auckland 0610, New Zealand  
Telephone (B/hours): +64 9 837 2144  
Freephone NZ: 0508 22 77 83

e-mail address of person responsible for this SDS : qse@canon.com.au

Emergency telephone number (with hours of operation) : Poison information center - AUS : 13 11 26  
CARECHEM24 - AUS : +61 2801 44558  
Poison information center - NZ : 0800 764 766 or 0800 POISON  
CARECHEM24 - NZ : +64 9929 1483

## Section 2. Hazard(s) identification

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1

### GHS label elements

HSNO Classes: 6.3A, 6.4A, 6.5B

Hazard pictograms :



Signal word : **WARNING**  
Hazard statements : Causes serious eye irritation.  
Causes skin irritation.  
May cause an allergic skin reaction.

### Precautionary statements

Prevention : Wear protective gloves. Wear eye protection.  
Response : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes.  
Storage : Not applicable.  
Disposal : Not applicable  
Supplemental label elements : Not applicable.

## Section 2. Hazard(s) identification

Other hazards which do not result in classification : None known.

## Section 3. Composition and ingredient information

Substance/mixture : Mixture

### CAS number/other identifiers

CAS number : Not applicable.

Ingredient name	% (w/w)	CAS number
Di-TMPTTA	≥30 - ≤60	94108-97-1
3-[2,2-dimethyl-1-oxo-3-[(1-oxoallyl)oxy]propoxy]-2,2-dimethylpropyl acrylate	≥10 - ≤30	30145-51-8
4-tert-Butylcyclohexyl acrylate	≤10	84100-23-2
Propoxylated neopentyl glycol diacrylate	≤10	84170-74-1
Propylidynetrimethanol, ethoxylated, esters with acrylic acid, reaction products with diethylamine	≤10	159034-91-0
2,2-dimethyltrimethylene diacrylate	≤10	2223-82-7

There are no additional ingredients present that, within the current knowledge of the supplier and in the concentrations applicable, contribute to the classification of the mixture and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
Inhalation	: If inhaled, remove to fresh air.
Skin contact	: Remove contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation or rash occurs: Get medical attention.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media : Do not use water jet.

- Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

- Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel : Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment.
- For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.



## Section 7. Handling and storage

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 29°C (84,2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls** : See operator manual or safety data sheet of the copier/printer. Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn.

- Environmental exposure controls** : Do not allow to enter drains or watercourses.

### Individual protection measures

- Hygiene measures** : Wash hands after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eyeface protection** : Use safety eyewear designed to protect against splash of liquids.

#### Skin protection

- Hand protection** : Protective gloves should be worn under normal conditions of use.

480 min (breakthrough time): Nitrile gloves. Solvex 37-900. Thickness 0.425 mm. Length 380 mm.

>480 min (breakthrough time): Microflex 93-260; Thickness 0.12 mm. , Length 300mm.

10 min (breakthrough time): Nitrile gloves. Touch N Tuff® 92-600 Thickness 0.12 mm. Length 300 mm.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

- Body protection** : Avoid contact with skin.

- Other skin protection** : Avoid contact with skin.

- Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

## Section 9. Physical and chemical properties

### Appearance

Physical state	: Liquid.
Color	: Yellow.
Odor	: Odorless.
Odor threshold	: Not available.
pH	: Not applicable.
Melting point	: -87°C (-88,6°F)
Boiling point	: Not available.
Flash point	: Closed cup: 145°C (293°F) [ Based on test result of similar product.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: Not available.
Solubility	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: 283°C (541,4°F)
Decomposition temperature	: Not available.
Viscosity	: Not available.

## Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents strong acids strong alkalis
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Di-TMPTTA	LD50 Oral	Rat	>5000 mg/kg	-
Propoxylated neopentyl glycol diacrylate	LC50 Inhalation Dusts and mists	Rat	>2 mg/l	4 hours
-	LD50 Dermal	Rat	>2000 mg/kg	-
-	LD50 Oral	Rat	>5000 mg/kg	-

## Section 11. Toxicological information

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Di-TMPTTA	Eyes - Redness of the conjunctivae	Rabbit	2	-	-
-	Eyes - Edema of the conjunctivae	Rabbit	1,5	-	-
2,2-dimethyltrimethylene diacrylate	Skin - Severe irritant	Rabbit	-	500 milligrams	-

### Conclusion/Summary

- Skin** : Causes skin irritation. Based on toxicological literature on the ingredients of this product.
- Eyes** : Causes serious eye irritation. Based on toxicological literature on the ingredients of this product.
- Respiratory** : No known significant effects or critical hazards. Based on toxicological literature on the ingredients of this product.

### Sensitization

Product/ingredient name	Route of exposure	Species	Result
Propoxylated neopentyl glycol diacrylate	skin	Guinea pig	Sensitizing

### Conclusion/Summary

- Skin** : May cause sensitization by skin contact. Based on toxicological literature on the ingredients of this product.
- Respiratory** : No known significant effects or critical hazards. Based on toxicological literature on the ingredients of this product.

### Mutagenicity

Not available.

**Conclusion/Summary** : No mutagenic effect.

### Carcinogenicity

Not available.

**Conclusion/Summary** : No known significant effects or critical hazards.

### Reproductive toxicity

Not available.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

Not available.

**Conclusion/Summary** : No known significant effects or critical hazards.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
4-tert-Butylcyclohexyl acrylate	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

## Section 11. Toxicological information

Information on the likely routes of exposure : Not available.

### Potential acute health effects

Eye contact : Causes serious eye irritation.  
 Inhalation : No known significant effects or critical hazards.  
 Skin contact : Causes skin irritation. May cause an allergic skin reaction.  
 Ingestion : No known significant effects or critical hazards.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Di-TMPTTA	Acute EC50 >10 mg/l	Daphnia	48 hours
-	Acute LC50 1,2 mg/l	Fish	96 hours
4-tert-Butylcyclohexyl acrylate	LC50 <10 mg/l	Fish	96 hours
Propoxylated neopentyl glycol diacrylate	Acute EC50 37 mg/l	Daphnia	48 hours
-	Acute LC50 2,7 mg/l	Fish	96 hours

Conclusion/Summary : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Persistence and degradability

Conclusion/Summary : May cause long-term adverse effects in the aquatic environment.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
4-tert-Butylcyclohexyl acrylate	-	-	Readily
Propoxylated neopentyl glycol diacrylate	-	-	Inherent

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
4-tert-Butylcyclohexyl acrylate	4,78	-	high

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

Other adverse effects : No known significant effects or critical hazards.

## Section 13. Disposal considerations





Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty



## Section 13. Disposal considerations

containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

	ADG	ADR/RID	IMDG	IATA
UN number	UN3082	UN3082	UN3082	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)
Transport hazard class(es)	9 	9 	9 	9 
Packing group	III	III	III	III
Environmental hazards	Yes.	Yes.	Yes.	Yes.
Additional information	The product is not regulated as a dangerous good when transported by road or rail in either an IBC, or in other container types if ≤500 kg. This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL and the IBC Code** : Not available.

## Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

**Australia inventory (AICS)** : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals



## Section 15. Regulatory information

Not listed.

[Montreal Protocol \(Annexes A, B, C, E\)](#)

Not listed.

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

[Rotterdam Convention on Prior Informed Consent \(PIC\)](#)

Not listed.

[UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed. New Zealand: HSR002670 Surface coatings and Colourants (Subsidiary Hazard) Group Standard

## Section 16. Any other relevant information

### History

Date of printing : 21-12-2017

Date of issue/Date of revision : 21-12-2017

Date of previous issue : No previous validation

Version : 1

**Key to abbreviations** : ADG = Australian Dangerous Goods  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 NOHSC = National Occupational Health and Safety Commission  
 SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2A, H319	Calculation method
Skin Sens. 1, H317	Calculation method

**References** : Not available.

✓ Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

26 March 2018: Added HSNO classification/s and HSNO group standard approval information and New Zealand Importer details