Safety Data Sheet

according to WHS Regulations

Date of issue: 24.07.2025 Version number 13 Revision: 24.07.2025

1 Identification

· **Product indentifier** Ink jet printing ink
· **Other means of identification**

· **Range** IJC255 UV Ink
· **Product Codes** 3010112529 6299B014AA IJC255 UV Ink - White 1L
· **Relevant identified uses of the substance or mixture and uses advised against**
The product should not be used for any purpose other than that specified in Section 1.
· **Product category** PC18 Ink and toners
· **Manufacturer:**
Fujifilm Speciality Ink Systems Limited
Pysons Road, Broadstairs, Kent. CT10 2LE.
Tel. +44 (0)1843 866668

· **Information department:** Product Safety Department
· **Emergency telephone number:**
Poisons Information Center- Australia 13 11 26 ; New Zealand 0800 764 766 or 0800 POISON
· **Distributor:**
Canon Production Printing Australia Pty Ltd
Bldg 1, 195 Wellington Road
Clayton, 3168
Australia
Telephone (B/hours): +61-1300-363-440
Email: qse@canon.com.au

Canon Production Printing New Zealand Limited
28 The Warehouse Way
Northcote, Auckland, 0627
New Zealand
Telephone (B/hours): 0800 222 666
Email: qse@canon.com.au

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2 Hazard(s) Identification

· **Classification of the substance or mixture**

Skin corrosion/irritation - Category 2	H315 Causes skin irritation.
Eye damage/irritation - Category 1	H318 Causes serious eye damage.
Skin sensitisation - Category 1	H317 May cause an allergic skin reaction.
Reproductive toxicity - Category 1B	H360 May damage fertility or the unborn child.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS05 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Oxybis(methyl-2,1-ethanediyl) diacrylate (10-30 %)
Hexamethylene diacrylate (10-30 %)
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide (5-10 %)
Neopentyl Glycol Propoxylate esters with acrylic acid (10-30 %)

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 1)

· **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
· **Precautionary statements**
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
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 CENTER/doctor.
If skin irritation or rash occurs: Get medical advice/attention.
· **Other hazards**
Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder containing 1% or more of titanium dioxide which is in the form or incorporated in particles with aerodynamic diameter ≤ 10µm
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Determination of endocrine-disrupting properties** Not applicable.

3 Composition and Information on Ingredients

· **Chemical characterisation: Mixture**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 13048-33-4 EINECS: 235-921-9	Hexamethylene diacrylate Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317	10-30%
CAS: 57472-68-1 EINECS: 260-754-3	Oxybis(methyl-2,1-ethanediyl) diacrylate Eye damage/irritation – Category 1, H318 Skin corrosion/irritation – Category 2, H315; Skin sensitisation – Category 1, H317	10-30%
CAS: 84170-74-1 EC number: 617-546-6	Neopentyl Glycol Propoxylate esters with acrylic acid Skin sensitisation – Category 1B, H317	10-30%
CAS: 75980-60-8 EINECS: 278-355-8	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide Reproductive toxicity – Category 1B, H360 Skin sensitisation – Category 1, H317	5-10%
CAS: 37280-82-3	Phosphated alkoxylated polymer Eye damage/irritation – Category 2A, H319	1-5%
CAS: 42978-66-5 EINECS: 256-032-2	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Skin sensitisation – Category 1, H317; Specific target organ toxicity (single exposure) – Category 3, H335	<1%
CAS: 48145-04-6 EINECS: 256-360-6	2-Phenoxyethyl Acrylate Reproductive toxicity – Category 2, H361 Skin sensitisation – Category 1A, H317	<1%

· **SVHC**

75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide

· **Additional information**
See Note 10 in section 2.3
For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 2)

4 First Aid Measures

· **General information** Immediately remove any clothing soiled by the product.
· **After inhalation** Supply fresh air; consult doctor in case of complaints.
· **After skin contact**
Immediately wash with soap and water and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact**
Rinse open eye for several minutes under running water. Then consult a doctor.
Seek immediate medical advice.
· **After swallowing**
Give patient copious amounts of water to drink and provide fresh air. Call for a doctor immediately.
· **Information for doctor**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

· **Suitable extinguishing agents**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents** Water with full jet.
· **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
· **Protective equipment:** Wear self-contained breathing apparatus.
· **Additional information**
Cool endangered containers with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures**

Refer to the protective measures stated in Sections 7 and 8. Keep unprotected personnel away.

· **For non-emergency personnel** Remove personnel from danger area.
· **For emergency responders** Wear protective clothing.
· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities if seepage into water course or sewage system occurs.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.
· **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

(Contd. on page 4)

Safety Data Sheet
according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 3)

7 Handling and Storage

· **Handling**
· **Precautions for safe handling**
Store in cool, dry place in tightly sealed containers.
Keep away from heat and direct sunlight.
Ensure good ventilation and extraction at the workplace.
· **Storage:** Store in accordance with current national regulations.
· **Requirements to be met by storerooms and containers:** Store between 5 - 30°C.
· **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
Do not store together with alkalis (caustic solutions).
· **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

· **Components with limit values that require monitoring at the workplace:**
· **DNELs**
worker:

13048-33-4 Hexamethylene diacrylate		
Dermal	DNEL	2.77 mg/kg (-) (Long Term)
Inhalation	DNEL	24.48 mg/m3 (-) (Long Term)
57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate		
Dermal	DNEL	2.77 mg/kg (-) (Long Term)
Inhalation	DNEL	24.48 mg/m3 (-) (Long Term)
84170-74-1 Neopentyl Glycol Propoxylate esters with acrylic acid		
Dermal	DNEL	3.33 mg/kg (-) (Long Term)
Inhalation	DNEL	11.75 mg/m3 (-) (Long Term)
947-19-3 Methanone,(1-hydroxycyclohexyl)Phenyl-		
Dermal	DNEL	3 mg/kg (-) (Long Term)
Inhalation	DNEL	21.16 mg/m3 (-) (Long Term)
42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate		
Dermal	DNEL	2.77 mg/kg (-) (Long Term)
Inhalation	DNEL	24.48 mg/m3 (-) (Long Term)
48145-04-6 2-Phenoxyethyl Acrylate		
Dermal	DNEL	3.5 mg/kg (-) (Long Term)
Inhalation	DNEL	12 mg/m3 (-) (Long Term)
13463-67-7 titanium dioxide		
Inhalation	DNEL	10 mg/m3 (-) (Local long-term effects)

· **Additional information:**
The instructions and information provided by the manufacturer of the personal protective equipment on use, storage, maintenance and replacement must always be followed.

· **Exposure controls**

· **General protective and hygienic measures**
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Store protective clothing separately.
Keep away from foodstuffs, beverages and feed.
· **Breathing equipment:** Not necessary if room is well-ventilated.
· **Protection of hands:**

Type	Rubber			Nitrile		Neoprene
	Single Use	Multi Use	Heavy Duty (Gauntlets)	Single Use	Multi Use	Heavy Duty (Gauntlets)

(Contd. on page 5)

Safety Data Sheet
according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 4)

Preparation	X	Y	X	X	Y	X
Print Shop						
Solvent Inks	Y	Y	Y	Y	Y	Y
UV Inks	X	X	X	Y	Y	Y
Reclaim	X	X	Y	X	X	Y

Y = recommended X = not recommended

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
The selection of single or multi-use gloves is dependent upon the level of exposure.
The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Always ensure that gloves are free from defects and that they are stored and used correctly.
Hands should be inspected on a regular basis for any signs of skin damage or inflammation
Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Single use disposable nitrile gloves (short duration exposure of few minutes, or where only splashes likely). Not to be reused when removed.

Minimum 0.4mm thick neoprene or nitrile gloves (longer duration exposure or mechanical handling activities). To be replaced immediately when punctured or degraded.
Heavy duty unlined neoprene gloves (when using solvents). To be replaced immediately when punctured or degraded.

· **Penetration time of glove material**
The exact break through time has to be obtained from the manufacturer of the protective gloves and must be observed.
· **Eye protection:** Tightly sealed goggles.
· **Body protection:**

Acrylates, like any other organic solvent, are skin and/or eye irritants. Since acrylates do not evaporate, they will remain on the skin or clothes for extended periods. This long term exposure, caused by the non volatility, can give rise to dermatitis. It is essential that the measures given above are always followed.
Protective work clothing; disposable overalls are preferable.

9 Physical and Chemical Properties

· **General Information**	
· **Appearance:**	
· **Form:**	Fluid
· **Colour:**	White
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
· **Melting point/freezing point:**	undetermined
· **Initial boiling point and boiling range:**	109 °C
· **Flash point:**	Not applicable
· **Flammability (solid, gaseous)**	Not determined.
· **Auto-ignition temperature:**	Not applicable
· **Decomposition temperature:**	Not determined.
· **Self igniting:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Oxidising properties**	Not determined

(Contd. on page 6)

Safety Data Sheet
according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 5)

· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	1.19 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Water:**	Not miscible or difficult to mix
· **Partition coefficient: n-octanol/water:**	Not determined.
· **Viscosity:**	Not determined
· **dynamic:**	Not determined.
· **kinematic:**	Not determined.
· **Solvent content:**	
· **Organic solvents:**	0.0 %
· **Other information**	No further relevant information available.
· **Additional information**	
· **Particle characteristics**	Not applicable.

10 Stability and Reactivity

· **Reactivity** No further relevant information available.
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological Information

· **Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

13048-33-4 Hexamethylene diacrylate		
Oral	LD50	>3,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rab)
947-19-3 Methanone,(1-hydroxycyclohexyl)Phenyl-		
Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rat)
Inhalation	LC50/8hr	>100 mg/m3 (Sewage sludge)
42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate		
Oral	LD50	6,800 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
48145-04-6 2-Phenoxyethyl Acrylate		
Dermal	LD50	>2,000 mg/kg (rat)

· **Specific symptoms in biological assay:**
· **Skin corrosion/irritation**
Causes skin irritation.
· **Serious eye damage/irritation**
Causes serious eye damage.
· **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
· **Germ cell mutagenicity**
Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity**
May damage fertility or the unborn child.

(Contd. on page 7)

Safety Data Sheet

according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 6)

· **STOT-single exposure**
Based on available data, the classification criteria are not met.
· **STOT-repeated exposure**
Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**	
13048-33-4 Hexamethylene diacrylate	
LC50/96 h	>1-10 mg/l (Fish)
EC/LC50 48 h	>1-10 mg/l (Daphnia)
EC/LC50 72 h	>1-10 mg/l (algae)
EC50/72 h	1-10 mg/l (Scenedesmus subspicatus)
57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate	
LC50/96 h	1-10 mg/l (Brachydanio rerio)
EC50/48 h	10-100 mg/l (Daphnia)
EC50/72 h	10-100 mg/l (Aquatic Plants)
84170-74-1 Neopentyl Glycol Propoxylate esters with acrylic acid	
LC50/96 h	2.7 mg/l (Zebra fish) (OECD Test Guideline 203)
EC50/48 h	37 mg/l (Daphnia) (OECD Test Guideline 202)
EC50/72 h	11 mg/l (algae) (OECD Test Guideline 201, Growth inhibition)
947-19-3 Methanone,(1-hydroxycyclohexyl)Phenyl-	
LC50/96 h	24 mg/l (Brachydanio rerio)
LC50/4 h	>1,000 mg/l (rat)
EC50 24h	105 mg/g (Daphnia)
42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	
LC50/96 h	4.6-10 mg/l (Fish)

· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
There are no data on the preparation itself.
The preparation has been assessed following the conventional method of the CLP Directive 1272/2008/EC, as amended for Great Britain and is classified as dangerous for the environment. Also refer to Sections 2 and 15.

Do not allow product to reach ground water, water course or sewage system.

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

(Contd. on page 8)

Safety Data Sheet
according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 7)

13 Disposal considerations

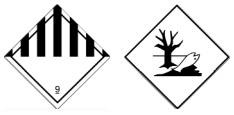
· **Waste treatment methods**
· **Recommendation**

Must not be disposed together with household rubbish. Do not allow product to reach sewage system.

· **Recommendation:**
Dispose of product according to official regulations.
Also see Section 16 'Other Information'

14 Transport information

· **UN-Number**	
· **ADG, IMDG, IATA**	UN3082
· **UN proper shipping name**	
· **ADG**	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylene diacrylate)
· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylene diacrylate), MARINE POLLUTANT
· **IATA**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexamethylene diacrylate)
· **Transport hazard class(es)**	
· **ADG, IMDG, IATA**	



· **Class**	9 Miscellaneous dangerous substances and articles.
· **Label**	9
· **Packing group**	
· **ADG, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (ADG):**	Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **Special precautions for user**	Warning: Miscellaneous dangerous substances and articles.
· **Hazard identification number (Kemler code):**	90
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **ADG**	
· **Limited quantities (LQ)**	5L
· **Transport category**	3
· **Tunnel restriction code**	(-)

(Contd. on page 9)

Safety Data Sheet
according to WHS Regulations

Date of issue: 24.07.2025 Version number 12 Revision: 24.07.2025

Range IJC255 UV Ink

(Contd. of page 8)

· **IMDG**	
· **Limited quantities (LQ)**	5L
· **UN "Model Regulation":**	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLENE DIACRYLATE), 9, III

15 Regulatory information

· **Chemical Safety Assessment** Chemical Safety Assessment not applicable
· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Standard for the Uniform Scheduling of Medicines and Poisons**
None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**
None of the ingredients is listed.

· **Directive 2012/18/EU, Seveso III Directive, as amended for Great Britain**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** E1 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **National regulations**

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

75980-60-8	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
For further information about how to recycle your used ink or toner cartridges go to:
Australia: http://www.canon.com.au/About-Canon/Sustainability-Environment/Programs-Partnerships
New Zealand: http://www.canon.co.nz/About-Canon/Sustainability-Environment/Programs-Partnerships
The safety data sheets is in compliance with regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878

An "*" in the left hand margin indicates an amendment from the previous version.

· **Relevant phrases**
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H361 Suspected of damaging fertility or the unborn child.
· **Recommended restriction of use**
The product should not be used for any purpose other than that specified in Section 1.

· **Department issuing SDS:**
Regulatory Affairs Department - Fujifilm Speciality Ink Systems Limited

(Contd. on page 10)

Safety Data Sheet

according to WHS Regulations

Date of issue: 24.07.2025 *Version number 12* *Revision: 24.07.2025*

Range IJC255 UV Ink

(Contd. of page 9)

· **Contact:** fsis.product-safety@fujifilm.com

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association (IATA Dangerous Goods Regulation (DGR) 66th Edition 2025)
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin corrosion/irritation – Category 2: Skin corrosion/irritation – Category 2
Eye damage/irritation – Category 1: Serious eye damage/eye irritation – Category 1
Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
Skin sensitisation – Category 1: Skin sensitisation – Category 1
Skin sensitisation – Category 1A: Skin sensitisation – Category 1A
Skin sensitisation – Category 1B: Skin sensitisation – Category 1B
Reproductive toxicity – Category 1B: Reproductive toxicity – Category 1B
Reproductive toxicity – Category 2: Reproductive toxicity – Category 2
Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3