Safety Data Sheet
acc. to OSHA HCS

Printing date 07/24/2025 Reviewed on 07/24/2025

1 Identification

· **Product identifier** Ink jet printing ink

· **Trade name: IJC255 UV Ink**
· **Product Code(s):** 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
· **Manufacturer/Supplier:**
Fujifilm Speciality Ink Systems Limited
Pysons Road, Broadstairs, Kent. CT10 2LE.
Tel. +44 (0)1843 866668

· **Information department:**
Canon USA Inc.,One Canon Park, Melville, NY, 11747, USA
1-800-OK-CANON 24Hr. Emergency CHEMTREC 1-800-424-9300
· **Emergency telephone number:** For Chemical emergencies only: 001866 928 0789

*

2 Hazard(s) identification

· **Classification of the substance or mixture**

Skin Irritation 2	H315 Causes skin irritation.
Eye Damage 1	H318 Causes serious eye damage.
Sensitization - Skin 1	H317 May cause an allergic skin reaction.
Toxic to Reproduction 1B	H360 May damage fertility or the unborn child.

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

GHS05 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
Oxybis(methyl-2,1-ethanediyl) diacrylate
Hexamethylene diacrylate
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide
2-Phenoxyethyl Acrylate
Neopentyl Glycol Propoxylate esters with acrylic acid
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
· **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.

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· **Information pertaining to particular dangers for man and environment**
· **Classification system**
· **NFPA ratings (scale 0-4)**

Health = 3
Fire = 0
Reactivity = 0

· **HMIS ratings (scale 0-4)**

Health = *3
Fire = 0
Reactivity = 0

· **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.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 13048-33-4 EINECS: 235-921-9	Hexamethylene diacrylate Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	10-30%
CAS: 57472-68-1 EINECS: 260-754-3	Oxybis(methyl-2,1-ethanediyl) diacrylate Eye Damage 1, H318 Skin Irritation 2, H315; Sensitization - Skin 1, H317	10-30%
CAS: 84170-74-1 EC number: 617-546-6	Neopentyl Glycol Propoxylate esters with acrylic acid Sensitization - Skin 1B, H317	10-30%
CAS: 75980-60-8 EINECS: 278-355-8	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide Toxic to Reproduction 1B, H360 Sensitization - Skin 1, H317	5-10%
CAS: 37280-82-3	Phosphated alkoxylated polymer Eye Irritation 2A, H319	0.5-1.5%
CAS: 42978-66-5 EINECS: 256-032-2	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335	0.1-1%
CAS: 48145-04-6 EINECS: 256-360-6	2-Phenoxyethyl Acrylate Toxic to Reproduction 2, H361 Sensitization - Skin 1A, H317	0.1-1%

· **Additional information** See Note 10 in section 2.3

4 First-aid measures

· **Description of 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 water and soap and rinse thoroughly.

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If skin irritation continues, consult a doctor.
· **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Seek immediate medical advice.
· **After swallowing**
Drink copious amounts of water and provide fresh air. Immediately call a 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

· **Extinguishing media**
· **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)
In certain fire conditions, traces of other toxic gases cannot be excluded.
· **Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.
· **Additional information**
Cool endangered receptacles 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**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
13048-33-4	Hexamethylene diacrylate	3 mg/m³

· **PAC-2:**		
13048-33-4	Hexamethylene diacrylate	170 mg/m³

· **PAC-3:**		
13048-33-4	Hexamethylene diacrylate	990 mg/m³

· **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

· **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.

· **Conditions for safe storage, including any incompatibilities**
· **Storage** Store in accordance with current national regulations.
· **Requirements to be met by storerooms and receptacles:** Store between 5 - 30°C.
· **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
Do not store together with alkalis (caustic solutions).
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

13048-33-4 Hexamethylene diacrylate	
WEEL	Long-term value: 1 mg/m³ DSEN

· **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)
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.

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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 trough time has to be found out by the manufacturer of the protective gloves and has to 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

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Color:**	White
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **Melting point/Melting range:**	undetermined
· **Boiling point/Boiling range:**	109 °C (228.2 °F)
· **Flammability (solid, gaseous)**	Not determined.
· **Explosion limits:**	
· **Lower:**	Not determined.
· **Upper:**	Not determined.
· **Flash point:**	Not applicable
· **Auto igniting:**	Not applicable
· **Decomposition temperature:**	Not determined.
· **pH-value:**	Not determined.
· **Viscosity:**	Not determined
· **kinematic:**	Not determined.
· **dynamic:**	Not determined.
· **Water:**	Not miscible or difficult to mix
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Vapor pressure:**	Not determined.
· **Vapor pressure:**	
· **Density at 20 °C (68 °F):**	1.19 g/cm³ (9.93055 lbs/gal)
· **Relative density**	Not determined.
· **Density at 68°F:**	
· **Vapor density**	Not determined.

· **Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.

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· **Solvent content:**
· **Organic solvents:** 0.0 %
· **Change in condition**
· **Oxidizing properties** Not determined
· **Evaporation rate** Not determined.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Stable until:** 50°C
· **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:**

· **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)
Inhalative	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:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Strong irritant with the danger of severe eye injury.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
13463-67-7	titanium dioxide	2B

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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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.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.
· **Additional ecological information:**
· **General notes:**
There are no data on the preparation itself
The material is harmful to the environment.

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

13 Disposal considerations

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

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

· **Recommendation:**
Disposal must be made according to official regulations.
Also see Section 16 'Other Information'

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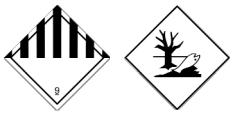
14 Transport information

· **UN-Number**	
· **DOT, ADR, IMDG, IATA**	UN3082
· **UN proper shipping name**	
· **DOT**	Environmentally hazardous substance, liquid, n.o.s. (Hexamethylene diacrylate)
· **ADR**	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)**	
· **DOT**	
· **Class**	9 Miscellaneous dangerous substances and articles
· **Label**	9
· **ADR, IMDG, IATA**	
· **Class**	9 Miscellaneous dangerous substances and articles
· **Label**	9
· **Packing group**	
· **DOT, ADR, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (ADR):**	Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Special precautions for user**	Warning: Miscellaneous dangerous substances and articles
· **Hazard identification number (Kemler code):**	90
· **UN "Model Regulation":**	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEXAMETHYLENE DIACRYLATE), 9, III

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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **SARA Section 355 (extremely hazardous substances)**
None of the ingredients is listed.

· **SARA Section 313 (specific toxic chemical listings)**
None of the ingredients is listed.

· **Hazardous Air Pollutants**
None of the ingredients is listed.

· **Prop 65 - Chemicals known to cause cancer**
None of the ingredients is listed.

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.
The safety data sheets is in compliance with regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878

A "*" 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:**
Product Safety Department - Fujifilm Speciality Systems Limited
· **Contact:** fsis.product-safety@fujifilm.com
· **Date of preparation / last revision** 07/24/2025 / 13
· **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
DOT: US Department of Transportation
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Sensitization - Skin 1A: Skin sensitisation – Category 1A
Sensitization - Skin 1B: Skin sensitisation – Category 1B
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

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Toxic to Reproduction 2: Reproductive toxicity - Category 2
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) - Category 3