

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 03/19/2024

Reviewed on 03/19/2024


**1 Identification**

- **Product identifier** Ink jet printing ink
- **Trade name:** IJC255 UV Curable Ink
- **Product Code(s):**  
 3010104960 6299B001AA IJC255 UV Ink - Black 2L  
 3010121030 6299B034AA IJC255 UV Ink - Black 3L  
 3010112525 6299B011AA IJC255 UV Ink - Black 800ml  
 3010104961 6299B002AA IJC255 UV Ink - Cyan 2L  
 3010121031 6299B035AA IJC255 UV Ink - Cyan 3L  
 3010112526 6299B015AA IJC255 UV Ink - Cyan 800ml  
 3010104962 6299B003AA IJC255 UV Ink - Magenta 2L  
 3010121032 6299B036AA IJC255 UV Ink - Magenta 3L  
 3010112527 6299B012AA IJC255 UV Ink - Magenta 800ml
- **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  
 Canon Canada Inc.  
 6390 Dixie Road, Mississauga, ON L5T 1P7  
 Phone: 905-795-1111.
- **Information department:** Product safety department.
- **Emergency telephone number:**  
 For chemical emergencies only: +1 800 579 7421  
 CHEMTREC 1-703-741-5500

**2 Hazard identification**

- **Classification of the substance or mixture**  
 Skin Irritation - Category 2                      H315 Causes skin irritation.  
 Serious Eye Damage - Category 1                H318 Causes serious eye damage.  
 Skin Sensitizer - Category 1                      H317 May cause an allergic skin reaction.  
 Reproductive Toxicity - Category 1B          H360 May damage fertility or the unborn child.

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- **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  
 Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide  
 2-Phenoxyethyl Acrylate  
 Neopentyl Glycol Propoxylate esters with acrylic acid  
 Glycerolpropoxytriacyrylate
- **Hazard statements**  
 Causes skin irritation.  
 Causes serious eye damage.  
 May cause an allergic skin reaction.  
 May damage fertility or the unborn child.
- **Precautionary statements**  
 Do not breathe mist/vapours/spray.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.

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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.

- **WHMIS classification** D2A - Very toxic material causing other toxic effects

### 3 Composition/Information on ingredients

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

- **Dangerous components:**

CAS: 57472-68-1 EINECS: 260-754-3	Oxybis(methyl-2,1-ethanediyl) diacrylate ----- Serious Eye Damage - Category 1, H318 Skin Irritation - Category 2, H315; Skin Sensitizer - Category 1, H317	45-70% w/w *
CAS: 75980-60-8 EINECS: 278-355-8	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide ----- Reproductive Toxicity - Category 1B, H360 Skin Sensitizer - Category 1, H317	5-10% w/w *
CAS: 84170-74-1 EC number: 617-546-6	Neopentyl Glycol Propoxylate esters with acrylic acid ----- Skin Sensitizer - Category 1B, H317	3-7% w/w *
CAS: 52408-84-1 NLP: 500-114-5	Glycerolpropoxytriacylate ----- Eye Irritation - Category 2A, H319; Skin Sensitizer - Category 1A, H317	0.1-1% w/w *
CAS: 48145-04-6 EINECS: 256-360-6	2-Phenoxyethyl Acrylate ----- Reproductive Toxicity - Category 2, H361 Skin Sensitizer - Category 1, H317	0.1-1% w/w *

\* Actual concentration ranges are withheld as a trade secret.

- **Additional information**

For the wording of the listed hazard phrases refer to section 16.

### 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.  
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.
- **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

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, 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 (NO<sub>x</sub>)  
In certain fire conditions, traces of other toxic gases cannot be excluded.

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- **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.

- **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.

## 7 Handling and storage

- **Handling**

- **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:**

- **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:**

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	Rubber	Nitrile	Neoprene
Type	Single Multi  Heavy Duty	Single Multi	Heavy Duty

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	Use	Use	(Gauntlets)	Use	Use	(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.

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 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**

- **Appearance:**

**Form:** Fluid

**Color:** According to product specification

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** 100 °C

- **Flash point:** Not applicable

- **Flammability (solid, gaseous)** Not determined.

- **Auto igniting:** Not applicable

- **Decomposition temperature:** Not determined.

- **Ignition temperature:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** Not determined.

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<b>Upper:</b>	Not determined.
• <b>Oxidizing properties</b>	Not determined
• <b>Vapor pressure:</b>	Not determined.
• <b>Density at 20 °C:</b>	1.1 g/cm <sup>3</sup>
• <b>Relative density</b>	Not determined.
• <b>Vapor density</b>	Not determined.
• <b>Evaporation rate</b>	Not determined.
• <b>Water:</b>	Not miscible or difficult to mix
• <b>Partition coefficient (n-octanol/ water):</b>	Not determined.
• <b>Viscosity:</b>	Not determined
• <b>dynamic:</b>	Not determined.
• <b>kinematic:</b>	Not determined.
• <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
• <b>Other information</b>	No further relevant information available.

## 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:**

48145-04-6 2-Phenoxyethyl Acrylate

Dermal	LD50	>2,000 mg/kg (rat)
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- **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)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

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)

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**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)

- **Persistence and degradability** No further relevant information available.
- **Behavior 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 product contains materials that are harmful to the environment.



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.

**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'

**14 Transport information**

- |  |  |
|--|--|
| • <b>UN-Number</b>   | Void   |
| • <b>DOT/TDG, ADR, ADN, IMDG, IATA</b>   | Void   |
| • <b>UN proper shipping name</b>   | Void   |
| • <b>DOT/TDG, ADR, ADN, IMDG, IATA</b>   | Void   |
| • <b>Transport hazard class(es)</b>  | Void   |
| • <b>DOT/TDG, ADR, ADN, IMDG, IATA</b>   | Void   |
| • <b>Class</b>   | Void   |
| • <b>Packing group</b>   | Void   |
| • <b>DOT/TDG, ADR, IMDG, IATA</b>  | Void   |
| • <b>Environmental hazards:</b>  |  |
| • <b>Marine pollutant:</b>   | No   |
| • <b>Special precautions for user</b>  | Not applicable.                                      |
| • <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| • <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| • <b>UN "Model Regulation":</b>  | Void   |

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

- **Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

### 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.

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](mailto:fsis.product-safety@fujifilm.com)

- **Date of the latest revision of the safety data sheet** 03/19/2024

- **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association (IATA Dangerous Goods Regulation (DGR) 65th Edition 2024)

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)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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