

Safety data sheet

according to 1907/2006/EC, Article 31, as amended
by UK REACH Regulations SI 2019/758

Printing date 21.03.2024

Revision: 21.03.2024

Version number 12 (replaces version 11)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier** Ink jet printing ink
- **Range IJC255 UV Ink**
- **Product Codes** 3010112529 6299B014AA IJC255 UV Ink - White 1L
- **UFI:** 1S60-J0WY-600S-XTDG
- **1.2 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
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer:**
Fujifilm Speciality Ink Systems Limited
Pysons Road, Broadstairs, Kent. CT10 2LE.
Tel. +44 (0)1843 866668
- **Distributor:**
Canon Production Printing Netherlands B.V.
Address: Van der Grintenstraat 10, 5914 HH Venlo, the Netherlands
Telephone no.: +31 77 359 2222
e-mail address: sds-hq@cpp.canon
- **Information department:**
Regulatory Affairs Department
Office hours +44(0)1843 866668 (0830 to 1700 GMT)
fsis.product-safety@fujifilm.com
- **1.4 Emergency telephone number:**
For chemical emergencies only: + 44 (0) 1235 239 670
National Poison Information number: 111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to regulation (EC) No 1272/2008, as amended for GB-CLP**

Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1	H318	Causes serious eye damage.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Repr. 1B	H360Fd	May damage fertility. Suspected of damaging the unborn child.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to regulation (EC) No 1272/2008, as amended for GB-CLP**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS05



GHS07



GHS08



GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Oxybis(methyl-2,1-ethanediyl) diacrylate
Hexamethylene diacrylate
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide
Neopentyl Glycol Propoxylate esters with acrylic acid
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H360Fd May damage fertility. Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.

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- **Precautionary statements**

- P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

- **Additional information:**

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

- **2.3 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 $\leq 10\mu\text{m}$

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 13048-33-4 EINECS: 235-921-9 Reg.nr.: 01-2119484737-22	Hexamethylene diacrylate ----- Aquatic Chronic 1, H410 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-30%
CAS: 57472-68-1 EINECS: 260-754-3 Reg.nr.: 01-2119484629-21	Oxybis(methyl-2,1-ethanediyl) diacrylate ----- Eye Dam. 1, H318 Skin Irrit. 2, H315; Skin Sens. 1, H317	10-30%
CAS: 84170-74-1 EC number: 617-546-6 Reg.nr.: 01-2119970213-43	Neopentyl Glycol Propoxylate esters with acrylic acid ----- Aquatic Chronic 2, H411 Skin Sens. 1B, H317	10-30%
CAS: 75980-60-8 EINECS: 278-355-8 Reg.nr.: 01-2119972295-29	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide ----- Repr. 1B, H360Fd Aquatic Chronic 2, H411 Skin Sens. 1, H317	5-10%
CAS: 37280-82-3 Reg.nr.: Not Applicable	Phosphated alkoxyated polymer ----- Eye Irrit. 2, H319	1-5%
CAS: 42978-66-5 EINECS: 256-032-2 Reg.nr.: 01-2119484613-34	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate ----- Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 Specific concentration limit: STOT SE 3;H335: C \geq 10 %	<1%
CAS: 48145-04-6 EINECS: 256-360-6 Reg.nr.: 01-2119980532-35	2-Phenoxyethyl Acrylate ----- Repr. 2, H361d Aquatic Chronic 2, H411 Skin Sens. 1A, H317	<1%

- **Additional information**

See Note 10 in section 2.3

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

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SECTION 4: First aid measures

- **4.1 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 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.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 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.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **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.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**



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

Ensure adequate ventilation

- **For non-emergency personnel** Remove personnel from danger area.
- **For emergency responders** Wear protective clothing.
- **6.2 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.
- **6.3 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.
- **6.4 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.

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SECTION 7: Handling and storage

- **7.1 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **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).
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **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)
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.

- **8.2 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.
- **Hand protection**
 Use of the following recommended:

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

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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/face 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.

- **COSHH Essentials for Printers Control Guidance Sheet:**

Guidance is provided by the Health and Safety executive (HSE) concerning COSHH (Control of Substances Hazardous to Health) for printers.

See COSHH Essentials for Printers on the HSE website:

www.hse.gov.uk and enter 'COSHH Essentials for printers' in the search bar.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

• Colour:	White
• Odour:	Characteristic
• Odour threshold:	Not determined.
• Melting point/freezing point:	undetermined
• Boiling point or initial boiling point and boiling range	109 °C
• Flammability	Not determined.
• Lower and upper explosion limit	
• Lower:	Not determined.
• Upper:	Not determined.
• Flash point:	Not applicable
• Auto-ignition temperature:	Not applicable
• Decomposition temperature:	Not determined.
• pH	Not determined.
• Viscosity:	Not determined
• Kinematic viscosity	Not determined.
• dynamic:	Not determined.

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- | | |
|--|----------------------------------|
| • Water: | Not miscible or difficult to mix |
| • Partition coefficient n-octanol/water (log value) | Not determined. |
| • Vapour pressure: | Not determined. |
| • Density and/or relative density | |
| • Density at 20 °C: | 1.19 g/cm ³ |
| • Relative density | Not determined. |
| • Vapour density | Not determined. |
-
- | | |
|---|---|
| • 9.2 Other information | |
| • Appearance: | |
| • Form: | Fluid |
| • Important information on protection of health, safety and the environment. | |
| • Self igniting: | Product is not selfigniting. |
| • Explosive properties: | Product does not present an explosion hazard. |
| • Solvent content: | |
| • Organic solvents: | 0.0 % |
| • Change in condition | |
| • Softening point/range | |
| • Oxidising properties | Not determined |
| • Evaporation rate | Not determined. |
-
- | | |
|--|------|
| • Information with regard to physical hazard classes | |
| • Explosives | Void |
| • Flammable gases | Void |
| • Aerosols | Void |
| • Oxidising gases | Void |
| • Gases under pressure | Void |
| • Flammable liquids | Void |
| • Flammable solids | Void |
| • Self-reactive substances and mixtures | Void |
| • Pyrophoric liquids | Void |
| • Pyrophoric solids | Void |
| • Self-heating substances and mixtures | Void |
| • Substances and mixtures, which emit flammable gases in contact with water | Void |
| • Oxidising liquids | Void |
| • Oxidising solids | Void |
| • Organic peroxides | Void |
| • Corrosive to metals | Void |
| • Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Stable until:** 50°C
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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- **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)

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)

- **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. Suspected of damaging the unborn child.

- **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.

- **11.2 Information on other hazards** Void

SECTION 12: Ecological information

- **12.1 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)

The material is readily biodegradable and the Log Kow is less than 1.

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)

42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

LC50/96 h 4.6-10 mg/l (Fish)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential**

57472-68-1 Oxybis(methyl-2,1-ethanediyl) diacrylate

The material is readily biodegradable and the Log Kow is less than 1.

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects** 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 GB 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.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**



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

- **European waste catalogue**

08 03 12*	waste ink containing hazardous substances
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- **Waste Hazard Classification:**

HP 4 - Irritant

HP 8 - Corrosive

HP 13 - Sensitising

HP 10 - Toxic for reproduction

HP 14 - Eco Toxic

- **Recommendation:**

Dispose of product according to official regulations.
 Also see Section 16 'Other Information'

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

UN3082

- **14.2 UN proper shipping name**

- **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)

- **14.3 Transport hazard class(es)**

- **ADR, IMDG, IATA**



- **Class**

9 Miscellaneous dangerous substances and articles.

- **Label**

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· 14.4 Packing group	
· ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· Special marking (IATA):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
· Hazard identification number (Kemler code):	90
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

· ADR	
· Limited quantities (LQ)	5L
· Transport category	3
· Tunnel restriction code	(-)

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

SECTION 15: Regulatory information

- 15.2 Chemical Safety Assessment Chemical Safety Assessment not applicable
- 15.28 Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available.
- Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

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

· REGULATION (EC) No 1907/2006 ANNEX XVII, as amended for Great Britain

Conditions of restriction: 3

· DIRECTIVE 2011/65/EU, as amended for Great Britain, on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148, as amended for Great Britain

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

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• Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

• Regulation (EC) No 273/2004 on drug precursors, as amended for Great Britain

108-88-3	toluene	3
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• Regulation (EC) No 111/2005, as amended for Great Britain, laying down rules for the monitoring of trade between the Community and third countries in drug precursors

108-88-3	toluene	3
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• 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
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SECTION 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

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.
 H360Fd May damage fertility. Suspected of damaging the unborn child.
 H361d Suspected of damaging the unborn child.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

• 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

• Contact: fsis.product-safety@fujifilm.com

• Version number of previous version: 11

• 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) 65th Edition 2024)
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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 (UK 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 Irrit. 2: Skin corrosion/irritation - Category 2
 Eye Dam. 1: Serious eye damage/eye irritation - Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2
 Skin Sens. 1: Skin sensitisation - Category 1
 Skin Sens. 1A: Skin sensitisation - Category 1A
 Skin Sens. 1B: Skin sensitisation - Category 1B
 Repr. 1B: Reproductive toxicity - Category 1B
 Repr. 2: Reproductive toxicity - Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2