

Hoja de datos de seguridad según NOM 018-STPS-2015

Printing date 29.02.2024

Version number 9

Revision: 29.02.2024

SECTION 1: Identificación de la sustancia química peligrosa o mezcla y del proveedor o fabricante

- **1.1 Product identifier** Ink jet printing ink
- **Range** IJC261 UV INK
- **Product Codes** 3010117714 0040C013AA IJC261 UV INK White 2L
- **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
- **Manufacturer:**
Fujifilm Speciality Ink Systems Limited
Pysons Road, Broadstairs, Kent. CT10 2LE.
Tel. +44 (0)1843 866668
Canon Mexicana, S. De R.L. De C.V.
Boulevard Manuel Ávila Camacho No. 138,
Col. Lomas de Chapultepec, C.P. 11000, México, D.F
Phone:+52 55 5249 4900
- **Information department:** Product Safety Department
- **1.4 Emergency telephone number:**
For chemical emergencies only: + 52 555 004 8763
CHEMTREC 1-703-741-5500

SECTION 2: Identificación de los peligros

- **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.
Serious eye damage/irritation - Category 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Repr. 1B	H360 May damage fertility or the unborn child.
STOT SE 3	H335 May cause respiratory irritation.
STOT RE 1	H372 Causes damage to the liver and the respiratory system through prolonged or repeated exposure.

- **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 CLP regulation.
- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
isobornyl acrylate
2-Phenoxyethyl Acrylate
2H-Azepin-2-one, 1-ethanyhexahydro
Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide
- **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H360 May damage fertility or the unborn child.
H335 May cause respiratory irritation.
H372 Causes damage to the liver and the respiratory system through prolonged or repeated exposure.
- **Precautionary statements**
P261 Avoid breathing mist/vapours/spray.

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- P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.

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: Composición / información sobre los componentes

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

Dangerous components:

CAS: 5888-33-5 EINECS: 227-561-6	isobornyl acrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1A, H317; STOT SE 3, H335 Acute Tox. 5, H303	10-20%
CAS: 48145-04-6 EINECS: 256-360-6	2-Phenoxyethyl Acrylate Repr. 2, H361 Skin Sens. 1, H317 Acute Tox. 5, H313	10-30%
CAS: 2235-00-9 EINECS: 218-787-6	2H-Azepin-2-one, 1-ethanyhexahydro STOT RE 1, H372 Acute Tox. 4, H302; Acute Tox. 4, H312; Serious eye damage/irritation - Category 2A, H319; Skin Sens. 1, H317	10-30%
CAS: 66492-51-1 EINECS: 266-380-7	Trimethylolpropane formalacrylate Skin Irrit. 2, H315; Skin Sens. 1, H317	10-30%
CAS: 75980-60-8 EINECS: 278-355-8	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide Repr. 1B, H360 Skin Sens. 1, H317	5-10%
CAS: 56641-05-5 NLP: 500-133-9	Phenol, ethoxylated esters with acrylic acid Skin Sens. 1, H317	1-5%
CAS: 37280-82-3	Phosphated alkoxyated polymer Serious eye damage/irritation - Category 2A, H319	1-5%
CAS: 15625-89-5 EINECS: 239-701-3	trimethylolpropane triacrylate Carc. 2, H351 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Acute Tox. 5, H303	<1%
CAS: 42978-66-5 EINECS: 256-032-2	(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 Acute Tox. 5, H313	<1%

SVHC

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

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

SECTION 4: Primeros auxilios

- **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.

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- **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.
- **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: Medidas contra incendios

- **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: Medidas que deben tomarse en caso de derrame o fuga accidental

- **6.1 Personal precautions, protective equipment and emergency procedures**
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Refer to the protective measures stated in Sections 7 and 8.
Keep unprotected personnel away.
- **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.
See Section 13 for disposal information.

SECTION 7: Manejo y almacenamiento

- **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.

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- **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: Controles de exposición / protección personal

• 8.1 Control parameters

- **Components with limit values that require monitoring at the workplace:**

15625-89-5 trimethylolpropane triacrylate

WEEL (USA)	VLE-PPT: 1 mg/m ³ Skin
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- **DNELs**
worker:

5888-33-5 isobornyl acrylate

Dermal	DNEL	1.39 mg/kg (-) (Long-Term exposure, Systemic effects)
Inhalation	DNEL	1.64 mg/m ³ (-) (Long Term exposure, Systemic effects)

48145-04-6 2-Phenoxyethyl Acrylate

Dermal	DNEL	3.5 mg/kg (-) (Long Term)
Inhalation	DNEL	12 mg/m ³ (-) (Long Term)

2235-00-9 2H-Azepin-2-one, 1-ethanyhexahydro

Dermal	DNEL	0.7 mg/kg (-) (long term exposure systemic effects)
Inhalation	DNEL	4.9 mg/m ³ (-) (Long-term exposure-systemic effects)

15625-89-5 trimethylolpropane triacrylate

Dermal	DNEL	404 mg/kg (-) (Long Term)
Inhalation	DNEL	17.1 mg/m ³ (-) (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/m ³ (-) (Long Term)

13463-67-7 titanium dioxide

Inhalation	DNEL	10 mg/m ³ (-) (Local long-term effects)
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- **PNECs**

2235-00-9 2H-Azepin-2-one, 1-ethanyhexahydro

PNEC	0.1 mg/l (-) (Fresh Water)
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- **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**

Keep away from foodstuffs, beverages and feed.
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.

- **Breathing equipment:**

Provide a good standard of general ventilation (not less than 3 - 5 air changes per hour)

In cases of insufficient ventilation use the following respiratory protective device:

Filter A/P2.

- **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

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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.

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

Hands should be inspected on a regular basis for any signs of skin damage or inflammation

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:** Safety glasses

• **Body protection:**

Protective work clothing; disposable overalls are preferable.

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.

SECTION 9: Propiedades físicas y químicas

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

• **General Information**

• **Appearance:**

Form:	Liquid
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:	undetermined

• **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

• **Vapour pressure:** Not determined.

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· Density at 20 °C:	1.2 g/cm ³
· 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 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Estabilidad y reactividad

- **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.
- **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: Información toxicológica

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

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

5888-33-5 isobornyl acrylate

Oral	LD50	4,350 mg/kg (rat)
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48145-04-6 2-Phenoxyethyl Acrylate

Dermal	LD50	>2,000 mg/kg (rat)
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2235-00-9 2H-Azepin-2-one, 1-ethanyhexahydro

Oral	LD50	1,860 mg/kg (rat) ((OECD Guideline 401))
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Dermal	LD50	>2,000 mg/kg (rat)
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		1,700 mg/kg (rabbit) (OECD Guideline 402)
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Inhalation	LC50 8h	>1.6 mg/l (rat)
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15625-89-5 trimethylolpropane triacrylate

Oral	LD50	3,680 mg/kg (rat)
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Dermal	LD50	5,170 mg/kg (rabbit)
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42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate

Oral	LD50	6,800 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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- **Specific symptoms in biological assay:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity**
Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity**
May damage fertility or the unborn child.
- **STOT-single exposure**
May cause respiratory irritation.
- **STOT-repeated exposure**
Causes damage to the liver and the respiratory system through prolonged or repeated exposure.
- **Aspiration hazard**
Based on available data, the classification criteria are not met.

SECTION 12: Información ecotoxicológica

• 12.1 Toxicity

• Aquatic toxicity:

5888-33-5 isobornyl acrylate

LC50/96 h	0.7 mg/l (Zebra fish) (OECD Test Guideline 203)
EC50/72 h	1.98 mg/l (algae) (OECD Test Guideline 201, Growth inhibition)

66492-51-1 Trimethylolpropane formalacrylate

LC50/96 h	4 mg/l (Oncorhynchus mykiss)
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15625-89-5 trimethylolpropane triacrylate

LC50/96 h	1-10 mg/l (Daphnia)
EC50/48 h	10-100 mg/l (Daphnia)
EC50/72 h	1-10 mg/l (algae)

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

LC50/96 h	4.6-10 mg/l (Fish)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 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.

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

SECTION 13: Información relativa a la eliminación de los productos

- **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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• Recommendation:

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

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SECTION 14: Información relativa al transporte

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN3082
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isobornyl acrylate) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isobornyl acrylate), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isobornyl acrylate)
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA 	<div style="display: flex; justify-content: space-around; align-items: center;">   </div> <ul style="list-style-type: none"> · Class · Label
<ul style="list-style-type: none"> · Class · Label 	9 Miscellaneous dangerous substances and articles. 9
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	III
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA): 	Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	Warning: Miscellaneous dangerous substances and articles. 90 F-A, S-F A
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.
<ul style="list-style-type: none"> · Transport/Additional information: 	Single or combination packagings containing a net quantity per single or inner packaging of 5lt/5kg or less of UN3082, are not subject to the provisions of ADR (Special Provision 375), IMDG (2.10.2.7) or IATA (special provision 197) by way of a pack size exemption.
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml 3 E
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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- **UN "Model Regulation":** UN 3082 ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S. (ISOBORNYL
ACRYLATE), 9, III

SECTION 15: Información reglamentaria

- **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.
- **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 E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

SECTION 16: Otra información

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**
H302 Harmful if swallowed.
H303 May be harmful if swallowed.
H312 Harmful in contact with skin.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
- **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
- **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 (REACH)
PNEC: Predicted No-Effect Concentration (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

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