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

· **1.1 Product indentifier** Ink jet printing ink

· **Range IJC262 UV INK**
· **Product Codes**
3010117316 0866C005AA IJC262 UV Ink Light Cyan 3L
3010117317 0866C006AA IJC262 UV Ink Light Magenta 3L
· **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**

Acute Tox. 5	H313 May be harmful in contact with skin.
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. 2	H361 Suspected of damaging 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:**
2H-Azepin-2-one, 1-ethanyhexahydro
2-Phenoxyethyl Acrylate
Trimethylolpropane formalacrylate
Isobornyl Acrylate
· **Hazard statements**
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

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H361 Suspected of damaging 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.
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**
· **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: 48145-04-6 EINECS: 256-360-6	2-Phenoxyethyl Acrylate Repr. 2, H361 Skin Sens. 1, H317 Acute Tox. 5, H313	10-30%
CAS: 66492-51-1 EINECS: 266-380-7	Trimethylolpropane formalacrylate Skin Irrit. 2, H315; Skin Sens. 1, H317	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: 5888-33-5 EINECS: 227-561-6	Isobornyl Acrylate Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335 Acute Tox. 5, H303	10-20%
CAS: 60506-81-2 EINECS: 262-270-8	Dipentaerythritol penta/hexa acrylate Serious eye damage/irritation – Category 2A, H319; Skin Sens. 1, H317	1-5%
CAS: 162881-26-7 ELINCS: 423-340-5	Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- Skin Sens. 1, H317 Acute Tox. 5, H303; Acute Tox. 5, H313	1-5%
CAS: 56641-05-5 NLP: 500-133-9	Phenol, ethoxylated esters with acrylic acid Skin Sens. 1, H317	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%

· **Additional information**
For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: Primeros auxilios

· **4.1 Description of first aid measures**
· **After inhalation**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact**
If skin irritation continues, consult a doctor.
Immediately wash with soap and water and rinse thoroughly.
· **After eye contact**
Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing** If symptoms persist consult doctor.
· **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.
· **5.2 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.
· **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**

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

· **6.2 Environmental precautions:**
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.
Ensure adequate ventilation.
· **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.

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Keep away from heat and direct sunlight.

· **Information about protection against explosions and fires:**
No special measures required.

· **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.
Store in a cool location.
· **Information about storage in one common storage facility:** Not required.
· **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/m³ Skin

· **DNELs**
worker:

48145-04-6 2-Phenoxyethyl Acrylate		
Dermal	DNEL	3.5 mg/kg (-) (Long Term)
Inhalation	DNEL	12 mg/m3 (-) (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/m3 (-) (Long-term exposure-systemic effects)
5888-33-5 Isobornyl Acrylate		
Dermal	DNEL	1.39 mg/kg (-) (Long-Term exposure, Systemic effects)
Inhalation	DNEL	1.64 mg/m3 (-) (Long Term exposure, Systemic effects)
162881-26-7 Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-		
Dermal	DNEL	3.3 mg/kg (-) (Long Term)
Inhalation	DNEL	7.8 mg/m3 (-) (Long Term)
15625-89-5 trimethylolpropane triacrylate		
Dermal	DNEL	83 mg/kg (-) (Long Term)
Inhalation	DNEL	3.5 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)

· **PNECs**	
2235-00-9 2H-Azepin-2-one, 1-ethanyhexahydro	
PNEC	0.1 mg/l (-) (Fresh Water)

· **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.
Keep away from foodstuffs, beverages and feed.
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.

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· **Protection of hands:**

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

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.
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

· **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:	According to product specification
· **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 applicable.
· **Auto-ignition temperature:**	Not applicable
· **Decomposition temperature:**	Not determined.

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· **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.
· **Density at 20 °C:**	1.07 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 %
· **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**
May be harmful in contact with skin.

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

48145-04-6 2-Phenoxyethyl Acrylate		
Dermal	LD50	>2,000 mg/kg (rat)
2235-00-9 2H-Azepin-2-one, 1-ethanyhexahydro		
Oral	LD50	1,860 mg/kg (rat) ((OECD Guideline 401))
Dermal	LD50	>2,000 mg/kg (rat)
		1,700 mg/kg (rabbit) (OECD Guideline 402)
Inhalation	LC50 8h	>1.6 mg/l (rat)
5888-33-5 Isobornyl Acrylate		
Oral	LD50	4,350 mg/kg (rat)
162881-26-7 Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
15625-89-5 trimethylolpropane triacrylate		
Oral	LD50	3,680 mg/kg (rat)
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)
Dermal	LD50	>2,000 mg/kg (rabbit)

· **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 (carcinogenity, 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.
· **Reproductive toxicity**
Suspected of damaging 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:**	
66492-51-1 Trimethylolpropane formalacrylate	
LC50/96 h	4 mg/l (Oncorhynchus mykiss)
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)
162881-26-7 Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)-	
LC50/96 h	>0.09 mg/l (Brachydanio rerio)
EC50/48 h	>1.175 mg/l (Daphnia)
EC50/72 h	0.26 mg/l (algae)
IC50	>100 mg/l (Sewage sludge)
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)

· **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.

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· **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

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

SECTION 14: Información relativa al transporte

· **14.1 UN-Number**	
· **ADR, IMDG, IATA**	UN3082
· **14.2 UN proper shipping name**	
· **ADR**	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate Monomer)
· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate Monomer), MARINE POLLUTANT
· **IATA**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate Monomer)
· **14.3 Transport hazard class(es)**	
· **ADR, IMDG, IATA**	
· **Class**	9 Miscellaneous dangerous substances and articles.
· **Label**	9
· **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 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.

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· **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.
· **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. (ACRYLATE MONOMER), 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.
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) 64th Edition 2023)
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances

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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
vPvB: very Persistent and very Bioaccumulative