SAFETY DATA SHEET

UVgel 356A ink Cyan



A CANON COMPANY

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

1.1 Product identifier

Product name

: UVgel 356A ink Cyan

Article number

: 1070092848

Product code (Canon)

: 1965C021AA

1.2 Relevant identified uses of the substance or mixture and uses advised against

Inkjet printing ink for Océ Colorado 1640 Printer. Other uses are not recommended.

1.3 Details of the supplier of the safety data sheet

Supplier

Océ-Technologies B.V.

Address

St. Urbanusweg 43, 5914 CA Venlo, the Netherlands

Telephone number

+31 77 359 2222

e-mail address

sds-hq@oce.com

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number

: United Kingdom: 111

Emergency telephone number

Telephone number

: +44 (0) 1235 239 670

Hours of operation

: 24h

Information limitations

: For chemical emergencies only.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition

: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Skin Irrit. 2, H315 Eye Irrit. 2, H319

Skin Sens. 1, H317

Repr. 1B, H360FD (Fertility and Unborn child)

Aquatic Chronic 2, H411

See Section 16 for the full text of the H statements declared above.

2.2 Label elements

Hazard pictograms







Signal word

: Danger

SECTION 2: Hazards identification

Hazard statements

: Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

May damage fertility. May damage the unborn child.

Toxic to aquatic life with long lasting effects.

Precautionary statements

General

: Not applicable

Prevention

: Wear protective glc ves and eye protection. Avoid release to the environment.

Response

: IF exposed or concerned: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. IF ON SKIN: Wash with plenty of soap and water. If

skin irritation or rash occurs: Get medical attention.

Storage

: Not applicable.

Disposal

: Not applicable

Hazardous ingredients

: 3-[2,2-dimethyl-1-oxo-3-[(1-oxoallyl)oxy]propoxy]-2,2-dimethylpropyl acrylate

Di-TMPTTA

ethyl 4-dimethylaminobenzoate

2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone

Supplemental label

elements

articles

: Not applicable.

Annex XVII - Restrictions on the manufacture. placing on the market and use of certain dangerous substances, mixtures and

: Restricted to professional users.

2.3 Other hazards

Other hazards which do not result in classification

: None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

: Mixture

			Clas	sification	
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
3-[2,2-dimethyl-1-oxo- 3-[(1-oxoallyl)oxy] propoxy]-2, 2-dimethylpropyl acrylate	EC: 250-072-4 CAS: 30145-51-8	≥25 - ≤50	Not classified.	Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]
Di-TMPTTA	REACH #: 01-2119977121-41 EC: 302-434-9 CAS: 94108-97-1	≥25 - ≤50	R43	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
2, 2-dimethyltrimethylene diacrylate	EC: 218-741-5 CAS: 2223-82-7 Index: 607-112-00-4	≤10	T; R24 Xi; R36/38 R43	Acute Tox. 3, H311 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
4-tert-Butylcyclohexyl acrylate	EC: 282-104-8 CAS: 84100-23-2	≤10	Xi; R36/37/38 N; R51/53	Skin Sens. 1, H317 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1)	[1]

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SECTION 3: Composition/information on ingredients

Propylidynetrimethanol, ethoxylated, esters with acrylic acid,	EC: 500-425-6 CAS: 159034-91-0	≤10	Not classified.	Aquatic Chronic 2, H411 Eye Irrit. 2, H319 Skin Sens. 1A, H317	[1]
reaction products with diethylamine Propoxylated neopentyl glycol diacrylate	REACH #: 01-2119970213-43 CAS: 84170-74-1	≤5	R43	Aquatic Chronic 3, H412 Skin Sens. 1B, H317 Aquatic Chronic 2,	[1]
ethyl 4-dimethylaminobenzoate	EC: 233-634-3 CAS: 10287-53-3	≤5	Not classified.	H411 Repr. 1B, H360FD (Fertility and Unborn child, Can impair male fertility.) (oral)	[1]
2-benzyl- 2-dimethylamino- 4-morpholinobutyrophenone Propylidynetrimethanol,	EC: 404-360-3 CAS: 119313-12-1 Index: 606-047-00-9	≤3	N; R50/53	Aquatic Chronic 2, H411 Repr. 1B, H360D (Unborn child) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1]
ethoxylated, esters with acrylic acid	EC: 500-066-5 CAS: 28961-43-5	≤0,3	Xi; R36	Eye Irrit. 2, H319 Skin Sens. 1, H317	[1]
	EC: 205-480-7 CAS: 141-32-2 Index: 607-062-00-3	≤0,1	R10 Xi; R36/37/38 R43	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
	gredients present which,		See section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General

: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery

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position and seek medical advice.

Eye contact : Immediately flush ϵ yes with running water for at least 15 minutes, keeping eyelids

open. If irritation persists, get medical attention.

Inhalation : Remove to fresh air. Keep person warm and at rest.

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SECTION 4: First aid measures

Skin contact

: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. If skin

irritation or rash occurs: Get medical attention.

Ingestion

: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact

: Causes serious eye irritation.

Inhalation

: No known significant effects or critical hazards.

Skin contact

: Causes skin irritation. May cause an allergic skin reaction.

Ingestion

: May damage fertility or the unborn child if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

: No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Recommended: alcohol-resistant foam, CO2, powders, water spray.

Unsuitable extinguishing

media

: Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters

: Appropriate breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Refer to protective measures listed in sections 7 and 8

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SECTION 6: Accidental release measures

6.2 Environmental precautions

: Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, ir form the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

: Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 29°C (84,2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

: Industrial

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
n-butyl acrylate	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 26 mg/m³ 15 minutes. STEL: 5 ppm 15 minutes. TWA: 5 mg/m³ 8 hours. TWA: 1 ppm 8 hours.

DNELs/DMELs

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Type	Exposure	Value	Population	Effects
Di-TMPTTA -	DNEL	Long term Dermal Long term Inhalation	1,67 mg/kg 5,88 mg/m³	Workers	Systemic Systemic
Propoxylated neopentyl glycol diacrylate	DNEL	Long term Inhalation	11,75 mg/ m ³	Workers	Systemic
-	DNEL	Long term Inhagation	2,9 mg/m ³	Consumers	Systemic
-	DNEL	Long term Oral Long term Dermal Long term Dermal		Consumers Workers Workers	Systemic Systemic Local
IECs		Long term Dermal		Consumers Consumers	Systemic Local

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
Di-TMPTTA Propoxylated neopentyl glycol diacrylate	Fresh water Soil Marine water sediment Fresh water sediment Sewage Treatment Plant Marine water Fresh water Fresh water Fresh water sediment Marine water Sewage Treatment Plant Soil Marine water sediment	0,0012 mg/l 0,098 mg/kg dwt 0,0493 mg/kg dwt 0,493 mg/kg dwt 100 mg/l 0,00012 mg/l 0,0027 mg/l 0,1881 mg/kg dwt 0,00027 mg/l 0,2 mg/l 0,036 mg/kg dwt 0,01881 mg/kg dwt	-

8.2 Exposure controls

Appropriate engineering controls

: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

Individual protection measures

Hygiene measures

: Wash hands after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Wash contaminated clothing before reusing.

Eye/face protection

: Use safety eyewear designed to protect against splash of liquids.

Skin protection Hand protection

Gloves

: Protective gloves should be worn under normal conditions of use.

4 - 8 hours (breakthrough time): Nitrile gloves. Solvex 37-900 Thickness 0.425mm Length: 380mm.

> 8 hours (breakthrough time): Nitrile gloves. Microflex 93-260; Thickness 0.12 mm. Length: 300mm.

10 min (breakthrough time) Nitrile gloves. Touch N Tuff® 92-600 Thickness 0.12 mm. Length: 300mm.

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

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SECTION 8: Exposure controls/personal protection

Body protection

: Avoid contact with skin.

Other skin protection

: Avoid contact with skin.

Respiratory protection

: If workers are exposed to concentrations above the exposure limit, they must use

appropriate, certified respirators.

Environmental exposure

: Do not allow to enter drains or watercourses.

controls

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state

: Liquid.

Colour

: Blue.

Odour

: Odourless.

Odour threshold

: Not available.

Ha

: Not applicable.

Melting point/freezing point

: -69°C

Initial boiling point and

boiling range

: Not available.

Flash point

: Closed cup: 145,1°C

Evaporation rate

: Not available.

Flammability (solid, gas)

: Not available.

Upper/lower flammability or

: Not available

explosive limits

: Not available.

Vapour pressure Vapour density

: Not available

Relative density

: Not available.

Solubility(ies)

: Not available.

Partition coefficient: n-octanol/ : Not available.

water

Auto-ignition temperature

: 341°C

Decomposition temperature

: Not available.

Viscosity

: Not available.

Explosive properties

: Not available

Oxidising properties

: Not available.

9.2 Other information

No additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

: Stable under recommended storage and handling conditions (see Section 7).

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

: When exposed to high temperatures may produce hazardous decomposition

products.

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SECTION 10: Stability and reactivity

10.5 Incompatible materials

: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

10.6 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Di-TMPTTA	LD50 Dermal	Rabbit	5170 mg/kg	
-	LD50 Oral	Rat	>5000 mg/kg	-
4-tert-Butylcyclohexyl	LD50 Oral	Rat	>3000 mg/kg	-
acrylate		INAL	>2000 mg/kg	-
Propylidynetrimethanol,	LD50 Dermal	Rat	>2000 //	
ethoxylated, esters with		Nat	>2000 mg/kg	-
acrylic acid, reaction				
products with diethylamine				
-	LD50 Oral	D-4		
Propoxylated neopentyl	LC50 Inhalation Dusts and	Rat	>2000 mg/kg	-
glycol diacrylate	mists	Rat	>2 mg/l	4 hours
-				
-	LD50 Dermal	Rat	>2000 mg/kg	
ethyl	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Dermal	Rat	>2000 mg/kg	-
4-dimethylaminobenzoate	L D.50.0			
O bon and O discouted a single	LD50 Oral	Rat	>2000 mg/kg	-
2-benzyl-2-dimethylamino-	LD50 Dermal	Rat	>2000 mg/kg	-
4-morpholinobutyrophenone	N 400 0000 HE O			
-	LD50 Oral	Rat	>5000 mg/kg	l <u>-</u>
Propylidynetrimethanol,	LD50 Dermal	Rabbit	>13200 mg/kg	_
ethoxylated, esters with		3.55.55	10200 mg/kg	
acrylic acid				
	LD50 Oral	Rat	2000 to 5000	_
			mg/kg	
n-butyl acrylate	LC50 Inhalation Gas.	Rat	2730 ppm	1 hours
	LD50 Oral	Rat	900 mg/kg	4 hours

Conclusion/Summary

: Based on available data, the classification criteria are not met.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Di-TMPTTA	Eyes - Redness of the conjunctivae	Rabbit	2	-	-
=	Eyes - Oedema of the conjunctivae	Rabbit	1,5	-	-
2,2-dimethyltrimethylene diacrylate	Skin - Severe irritant	Rabbit	-	500	-
n-butyl acrylate	Eyes - Mild irritant	Rabbit	-	milligrams 24 hours 500	-
	Eyes - Mild irritant	Rabbit	-	milligrams 50 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 10 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

Conclusion/Summary

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SECTION 11: Toxicological information

Skin

: Causes skin irritation. Based on toxicological literature on the ingredients of this product.

Eves

: Causes serious eye irritation. Based on toxicological literature on the ingredients of this product.

Respiratory

: No known significant effects or critical hazards. Based on toxicological literature on the ingredients of this product.

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
Propoxylated neopentyl glycol diacrylate	skin	Guinea pig	Sensitising
ethyl 4-dimethylaminobenzoate	skin	Guinea pig	Not sensitizing
2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	skin	Guinea pig	Not sensitizing

Skin

: May cause sensitisation by skin contact. Based on toxicological literature on the ingredients of this product.

Respiratory

: No known significant effects or critical hazards. Based on toxicological literature on the ingredients of this product.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
4-tert-Butylcyclohexyl acrylate	-	Experiment: In vitro	Negative
ethyl 4-dimethylaminobenzoate	OECD 471	Subject: Bacteria Experiment: In vitro Subject: Bacteria	Negative
•	OECD 474	Experiment: In vivo Subject: Mammalian-Animal	Negative

Conclusion/Summary

: No mutagenic effect.

Carcinogenicity

Conclusion/Summary

: No known significant effects or critical hazards.

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Developmental toxin	Species	Dose	Exposure
ethyl 4-dimethylaminobenzoate	Negative	Positive	Positive	Rat	Oral	-
2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	Negative	Negative	Positive	Rat	Oral	~

Conclusion/Summary

: May damage fertility or the unborn child if swallowed.

Teratogenicity

Conclusion/Summary

: No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
I-tert-Butylcyclohexyl acrylate	Category 3	Not applicable.	Respiratory tract

Specific target organ toxicity (repeated exposure)

Not available.

Conclusion/Summary

: Not available.

Aspiration hazard

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SECTION 11: Toxicological information

Not available.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	
Di-TMPTTA	EC50 12		Exposure
- - 4-tert-Butylcyclohexyl acrylate	EC50 12 mg/l Acute EC50 >10 mg/l Acute LC50 1,2 mg/l LC50 1 to 10 mg/l	Algae Daphnia Fish Fish	72 hours 48 hours 96 hours 96 hours
Propylidynetrimethanol, ethoxylated, esters with acrylic acid, reaction products with diethylamine	EC50 >100 mg/l	Daphnia	48 hours
- Propoxylated neopentyl glycol diacrylate	Acute LC50 >100 mg/l Acute EC50 37 mg/l	Fish Daphnia	96 hours 48 hours
- 2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	Acute LC50 2,7 mg/l LC50 0,5 mg/l	Fish Daphnia	96 hours 48 hours
- Propylidynetrimethanol, ethoxylated, esters with acrylic acid	LC50 0,46 mg/l LC50 70,7 mg/l	Fish Daphnia	96 hours 48 hours
onclusion/Summary	LC50 1,95 mg/l	Fish	96 hours

Conclusion/Summary

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12.2 Persistence and degradability

Conclusion/Summary

: May cause long-term adverse effects in the aquatic environment.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Di-TMPTTA 4-tert-Butylcyclohexyl acrylate	-	4 to 14%; 28 day(s)	Not readily Readily
Propylidynetrimethanol, ethoxylated, esters with acrylic acid, reaction	-	6%; 28 day(s)	Not readily
products with diethylamine Propoxylated neopentyl glycol diacrylate	-	-	Inherent
2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	-	-	Not readily
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	-	-	Readily

12.3 Bioaccumulative potential

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[:] Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 12: Ecological information

Product/ingredient name	LogPow	BCF	Potential	
Di-TMPTTA	-	388		
4-tert-Butylcyclohexyl acrylate	4,78	-	low high	
2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	2,91	-	low	
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	2,89	-	low	
n-butyl acrylate	2,38	17,27	low	

12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility

: Not available

12.5 Results of PBT and vPvB assessment

PBT

: Not applicable.

vPvB

: Not applicable.

12.6 Other adverse effects

: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

Disposal considerations

: Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no

longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

Waste code	Waste designation	
08 03 12*	waste ink containing hazardous substances	

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Disposal considerations

: Using information provided in this safety data sheet, advice should be obtained from

the relevant waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Type of packaging		European waste catalogue (EWC)
Plastic bottle 16 02 13*	16 02 13*	discarded equipment containing hazardous components (3) other than those mentioned in 16 02 09 to 16 02 12

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SECTION 13: Disposal considerations

Special precautions

: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	UN3082	UN3082	UN3082	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIR ONMENTALLY HAZAFDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Acrylate mixture)
14.3 Transport hazard class(es)	9	9	9	9
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.
Additional information		This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4. 1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4. 1.1.4 to 4.1.1.8.	This product is not regulated as a dangerous good when transported in sizes of ≤5 L or ≤5 kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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SECTION 15: Regulatory information

Annex XVII - Restrictions on the manufacture.

: Restricted to professional users.

placing on the market and use of certain dangerous substances. mixtures and articles

Other EU regulations

Europe inventory (EINECS)

: All components are listed or exempted.

Regulation (EC) No. 648/2004, on Detergents , Annex VII

. Not applicable.

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
ethyl 4-dimethylaminobenzoate	-	-	Repr. 1B, H360D (Unborn child) (oral)	
2-benzyl-2-dimethylamino- 4-morpholinobutyrophenone	-	-	Repr. 1B, H360D	male fertility.) (oral)

(Unborn child)

Ozone depleting substances (1005/2009/EU)

Not listed

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

International regulations

Chemical Weapon Convention List Schedules I, I & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment

: This safety data sheet contains an ES in an integrated form. Contents of the exposure scenario have been included into sections 1.2, 8, 9, 12, 15 and 16 of this safety data sheet.

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SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and

: ATE = Acute Toxicity Estimate

acronyms

CLP = Classification, Labelling and Packaging Regulation (Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification	
Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Repr. 1B, H360FD (Fertility and Unborn child) Aquatic Chronic 2, H411	Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method	

Full text of abbreviated H statements

H226 H302 H311 H315 H317 H319 H332 H335 H360D H360FD (oral)	Flammable liquid and vapour. Harmful if swallowed. Tcxic in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May damage the unborn child. May damage fertility if swallowed. May damage the unborn child if swallowed. May damage fertility. May damage the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
H411 H412	Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Acute Tox. 3, H311 Acute Tox. 4, H302 Acute Tox. 4, H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Aquatic Chronic 2, H411 Aquatic Chronic 3, H412 Eye Irrit. 2, H319 Flam. Liq. 3, H226 Repr. 1B, H360D Repr. 1B, H360FD (oral)	ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Unborn child) - Category 1B REPRODUCTIVE TOXICITY (Fertility and Unborn child) (oral) - Category 1B
Repr. 1B, H360FD Skin Irrit. 2, H315 Skin Sens. 1, H317 Skin Sens. 1A, H317 Skin Sens. 1B, H317 STOT SE 3, H335	REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 1B SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1A SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

Full text of abbreviated R phrases

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SECTION 16: Other information R10- Flammable.

R24- Toxic in contact with skin.

R36- Irritating to eyes.

R36/38- Irritating to eyes and skin.

R36/37/38- Irritating to eyes, respiratory system and skin.

R43- May cause sensitisation by skin contact.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]

T - Toxic

Xi - Irritant

N - Dangerous for the environment

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Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

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