

SAFETY DATA SHEET

Issue Date 21-Jan-2020 (DD-MM-YYYY)

Version 2.2

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name INK BOTTLE,GY,1000ML UFI:FJDD-JXPT-5H4A-SP6P

Product code T49V7

Pure substance/mixture mixture

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

Importer / Supplier

- Recommended Use Ink jet ink (UV curing)
- Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company Name EPSON EUROPE B.V. Azie building, Atlas ArenA, Hoogoorddreef 5,1101 BA Amsterdam Zuidoost The Netherlands Phone number: +31-20-314-5000

For further information, please contact

Contact Point	+31-20-314-5000		
Email address	chemicals@epson.eu		
1.4. Emergency telephone number	_		
Emergency telephone	Giftnotruf Berlin;	+31-20-314-5000 +49 (0)30 30686 790 +32 (0)70 245 245 +43 1 406 43 43	

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008	
Acute toxicity - Oral	Category 4 - (H302)
skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitization	Category 1A - (H317)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)
Chronic aquatic toxicity	Category 2 - (H411)



2.2. Label elements



DANGER

Hazard Statements

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H372 Causes damage to organs through prolonged or repeated exposure
- H411 Toxic to aquatic life with long lasting effects
- H361 Suspected of damaging fertility or the unborn child

Contains 2-Propenoic acid, phenylmethyl ester

2H-Azepin-2-one, 1-ethenylhexahydro-

Morpholine, 4-(1-oxo-2-propenyl)-

2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-

Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide

2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propenyl)oxy]-

- 1,6-Hexanediol diacrylate
- 2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4-(phenylmethylene)-4-Methoxyphenol EUH:

EUH208 - May produce an allergic reaction

precautionary statements

P264 - Wash hands thoroughly after handling

- P270 Do not eat, drink or smoke when using this product
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P330 Rinse mouth
- P501 Dispose of contents/container in accordance with applicable regulations
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water
- P362 Take off contaminated clothing and wash before reuse

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 or doctor/physician
- P272 Contaminated work clothing should not be allowed out of the workplace
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
- P363 Wash contaminated clothing before reuse
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P308 + P313 IF exposed or concerned: Get medical advice/attention
- P405 Store locked up
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P314 Get medical advice/attention if you feel unwell
- P273 Avoid release to the environment
- P391 Collect spillage
- P280 Wear protective gloves/protective clothing/eye protection/face protection

2.3. Other hazards



Other Hazards

Toxic to aquatic life

General Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 mixtures

Ingredients contributing to the classification of the mixture, etc.

Chemical name	EC No	CAS No	weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] / Other	REACH registration number
2-Propenoic acid, phenylmethyl ester	219-673-9	2495-35-4	30-40	Xi; R36/38-43	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	-
2H-Azepin-2-one, 1-ethenylhexahydro-	218-787-6	2235-00-9	10-20	Xn; R22 Xi; R36-43 T; R48/23	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) STOT RE 1 (H372)	-
Morpholine, 4-(1-oxo-2-propenyl)-	-	5117-12-4	10-20	Xn; R22-48/22 Xi; R41 R43	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 2 (H373)	-
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1] hept-2-yl ester, exo-	227-561-6	5888-33-5	10-20	Xi; R36/37/38-43 N; R50-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	-
Diphenyl-2,4,6-trimethylben zoyl phosphine oxide	278-355-8	75980-60-8	5-10	Repr.Cat.3; R62	Repr. 2 (H361f) Repr. 2 (H361)	-
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	230-811-7	7328-17-8	5-10	T; R24 Xn; R22 Xi; R36-38 R43 N; R51-53	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	-
Dioctyl maleate	220-835-6	2915-53-9	1-5	Xi; R36/37/38	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 3 (H335)	-
1,6-Hexanediol diacrylate	235-921-9	13048-33-4	< 1	Xi; R36/38 R43	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Acute 1	-



					(H400) Aquatic Chronic 1 (H410)	
Poly[oxy(methyl-1,2-ethane diyl)], .alpha.,.alpha.',.alpha .''-1,2,3-propanetriyltris[.om ega[(1-oxo-2-propenyl)ox y]-	-	52408-84-1	< 1	Xi; R36-43	Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	-
2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4 -(phenylmethylene)-	-	7078-98-0	< 1	R43 R53	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	-
4-Methoxyphenol	205-769-8	150-76-5	< 1	Xn; R22 Xi; R36 R43	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Aquatic Acute 3 (H402)	-

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Immediate medical attention is required If symptoms persist, call a physician Do not breathe dust/fume/gas/mist/vapors/spray Do not get in eyes, on skin, or on clothing May produce an allergic reaction
Inhalation	Remove to fresh air Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation Seek immediate medical attention/advice If breathing is irregular or stopped, administer artificial respiration Artificial respiration and/or oxygen may be necessary Call a physician Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF INHALED: Call a POISON CENTER or doctor if you feel unwell
Skin contact	Immediate medical attention is required Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes Wash contaminated clothing before reuse Wash off immediately with soap and plenty of water If skin irritation persists, call a physician Get medical attention if irritation develops and persists
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes Keep eye wide open while rinsing Call a physician immediately



5.1. Extinguishing media

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	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If symptoms persist, call a physician
	If eye irritation persists: Get medical advice/attention
INGESTION	Do NOT induce vomiting Clean mouth with water and drink afterwards plenty of water Never give anything by mouth to an unconscious person Call a physician or poison control center immediately Call a physician Potential for aspiration if swallowed Get medical attention Clean mouth with water
Self-protection of the first aider	Use personal protection recommended in Section 8 Avoid contact with skin, eyes or clothing
4.2. Most important symptoms and	l effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians	May cause sensitization of susceptible persons
	Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	CO2, dry chemical, dry sand, alcohol-resistant foam, mist of alkali salts water Move containers from fire area if you can do it without risk Use extinguishing measures that are appropriate to local circumstances and the surrounding environment Remove combustible materials from their surroundings immediately
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire
5.2. Special hazards arising from the	e substance or mixture
Specific hazards arising from the chemical	In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors The product causes irritation of eyes, skin and mucous membranes
5.3. Advice for firefighters	
Special protective equipment for fire-fighters	Wear self contained breathing apparatus for fire fighting if necessary Use personal protective equipment as required In the event of fire and/or explosion do not breathe fumes Special protective equipment for fire-fighters
Special Extinguishing Media	Cool container with water spray
Flammable properties	May re-ignite after fire is extinguished Flammable/combustible material

Section 6: ACCIDENTAL RELEASE MEASURES



6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment as required Keep people away from and upwind of spill/leak Evacuate personnel to safe areas Stay upwind ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Avoid contact with skin, eyes and inhalation of vapors In the case of vapor formation use a respirator with filter model In case of fire: Stop leak if safe to do so Do not touch damaged containers or spilled material unless wearing appropriate protective clothing Ensure adequate ventilation, especially in confined areas Take precautionary measures against static discharges
other information	Ventilate the area
6.2. Environmental precautions	
Environmental Precautions	Prevent further leakage or spillage if safe to do so Prevent product from entering drains Do not flush into surface water or sanitary sewer system See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant Avoid release to the environment Collect spillage
6.3. Methods and material for conta	inment and cleaning up
Methods for Containment	Prevent further leakage or spillage if safe to do so Cover powder spill with plastic sheet or tarp to minimize spreading Dike far ahead of liquid spill for later disposal
Methods for cleaning up	Cover liquid spill with sand, earth or other non-combustible absorbent material Cover powder spill with plastic sheet or tarp to minimize spreading Sweep up and shovel into suitable containers for disposal Soak up with inert absorbent material Dam up Pick up and transfer to properly labeled containers Use only non-sparking tools

6.4. Reference to other sections

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling	Avoid contact with skin, eyes or clothing Wash contaminated clothing before reuse Do not eat, drink or smoke when using this product Use personal protection recommended in Section 8 Do not breathe dust/fume/gas/mist/vapors/spray Use with local exhaust ventilation Take precautionary measures against static discharges Use only in well-ventilated areas Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea



	Wash hands thoroughly and gargle after handling Burn or dispose of the wiping cloths used to clean up the product at once
General Hygiene Considerations	When using do not eat, drink or smoke Regular cleaning of equipment, work area and clothing is recommended Avoid contact with skin, eyes or clothing Wash hands thoroughly after handling Keep away from food, drink and animal feeding stuffs
7.2. Conditions for safe storage, in	cluding any incompatibilities
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place Keep out of the reach of children Keep in properly labeled containers Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity) Use spark-proof tools and explosion-proof equipment Incompatible with oxidizing agents The product shall be stored in the original containers/vessels Polymerisation is caused by ultra violet rays or heat. Store in a cool, dark and well-ventilated place. Containers/vessels should be tightly closed

7.3. Specific end use(s)

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical name	European Union	United Kingdom	France	Spain	Germany
4-Methoxyphenol	-	-	TWA: 5 mg/m ³	TWA: 5 mg/m ³	-

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
4-Methoxyphenol	-	TWA: 5 mg/m ³	-	-	TWA: 5 mg/m ³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Sweden	Czech Republic	Luxembourg
4-Methoxyphenol	STEL: 10	-	TWA: 5 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³	-	-	-
	mg/m ³		_	STEL: 10	STEL: 15			
	TWA: 5 mg/m ³			mg/m³	mg/m ³			

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration No information available (PNEC)

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas Showers Eyewash stations Ventilation systems

Personal protective equipment



Eye/face Protection	Tight sealing safety goggles Face protection shield Wear safety glasses with side shields (or goggles)
Hand Protection	Wear protective gloves
Skin and Body Protection	Suitable protective clothing Gloves made of plastic or rubber Wear suitable protective clothing Apron Protective shoes or boots
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment Respirator cartridge should be exchanged at regular intervals or at proper time according to breakthrough time
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained Do not allow into any sewer, on the ground or into any body of water Prevent product from entering drains

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties Physical State

Physical State	liquid		
appearance	No information available	ODR	characteristic odour
color	colored	odor threshold	No information available
Property_	<u>Values</u>	Remarks • Method	
pH	not applicable		
Melting point/freezing point	no data available		
Boiling point/boiling range	no data available	No information available	
Flash Point	≧94°C	Ceta Closed Cup	
Evaporation Rate	no data available	No information available	
Combustibility	no data available		
Flammability Limits in Air			
Upper flammability limits	no data available		
Lower Flammability Limit	no data available		
vapor pressure	no data available	No information available	
Vapor Density	no data available	No information available	
Specific gravity	1.00-1.10		
solubility(ies)			
Water solubility	Immiscible in water		
Organic Solvent Solubility	soluble in organic solvents		
Partition coefficient	no data available	No information available	
Autoignition Temperature	no data available	No information available	
decomposition temperature	no data available	No information available	
Kinematic viscosity	no data available		
Explosive properties	No information available		
Oxidizing properties	No information available		
9.2. Other information	na data available		
Softening point	no data available		
Density	no data available		



Chemical name	Boiling point °C	Density	vapor pressure	Vapor Density	Flash Point	Autoignition Temperature
2-Propenoic acid, phenylmethyl ester	228 °C 1013.25 hPa	1.0573 g/cm3 at 20 °C	-	-	-	-
1,6-Hexanediol diacrylate	-	-	0.0005 mmHg at 21 °C	-	132 °C closed cup	-
4-Methoxyphenol	243 - 246 °C	-	-	4.3	132 °C open cup	421 °C

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Remarks

stability	Stable under normal conditions Polymerization can occur Heating may cause an explosion				
Explosion data					
	t May be ignited by heat, sparks or flames May be ignited by heat, sparks or flames				
10.3. Possibility of hazardous reacti	<u>ons</u>				
10.4. Conditions to avoid					
Conditions to Avoid	Take precautionary measures against static discharges Extremes of temperature and direct sunlight Heat				
10.5. Incompatible materials					
Incompatible Materials	Heat; Strong acids; OXIDIZERS; Alkali; light; peroxides; radical initiators				
10.6. Hazardous decomposition products					
Hazardous Decomposition Products May emit toxic fumes under fire conditions					
Section 11: TOXICOLOGICAL INFORMATION					

no data available

Repeated or prolonged contact may cause allergic reactions in very susceptible persons May cause sensitization by skin contact May cause sensitization by inhalation and skin contact

11.1. Information on toxicological effects

Acute toxicity

Inhalation	Reference to other sections; 4
Eye contact	Reference to other sections; 4
Skin contact	Reference to other sections; 4
INGESTION	Reference to other sections; 4
Unknown acute toxicity	12.0% of the mixture consists of ingredient(s) of unknown toxicity



The following values are calculated based on chapter 3.1 of the GHS document

ATEmix	(oral)
ATEmix	(dermal)

1,491.50 5,280.00

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Classification according to	Classification according to	Japan GHS Classification /
				67/548/EEC	Regulation (EC) No. 1272/2008 [CLP] / Other	Other
2-Propenoic acid, phenylmethyl ester	-	-	-	Xi; R36/38-43	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	Skin Irrit. 2 Eye Irrit. 2A Skin Sens. 1
2H-Azepin-2-one, 1-ethenylhexahydro-	-	-	-	Xn; R22 Xi; R36-43 T; R48/23	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) STOT RE 1 (H372)	Acute Tox. Oral 4 Eye Irrit. 2 Skin Sens. 1B STOT RE 1
Morpholine, 4-(1-oxo-2-propenyl)-	-	-	-	Xn; R22-48/22 Xi; R41 R43	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT RE 2 (H373)	-
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1] hept-2-yl ester, exo-	-	-	-	Xi; R36/37/38-43 N; R50-53	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1B STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1
Diphenyl-2,4,6-trimethylben zoyl phosphine oxide	-	-	-	Repr.Cat.3; R62	Repr. 2 (H361f) Repr. 2 (H361)	-
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	-	-	-	T; R24 Xn; R22 Xi; R36-38 R43 N; R51-53	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	Acute Tox. Oral 4 Acute Tox. Der. 3 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1A Aquatic Chronic 2
Dioctyl maleate	-	-	-	Xi; R36/37/38	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) STOT SE 3 (H335)	Skin Irrit. 2 Eye Irrit. 2A STOT SE 3
1,6-Hexanediol diacrylate	-	-	-	Xi; R36/38 R43	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Aquatic Chronic 1 Aquatic Acute 1 Skin Sens. 1
Poly[oxy(methyl-1,2-ethane diyl)], .alpha.,.alpha.',.alpha .''-1,2,3-propanetriyltris[.om ega[(1-oxo-2-propenyl)ox	-	-	-	Xi; R36-43	Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	Eye Irrit. 2A Skin Sens. 1



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2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4 -(phenylmethylene)-	-	-	-	R43 R53	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	-
4-Methoxyphenol	1600 mg/kg (Rat)	-	-	Xn; R22 Xi; R36 R43	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Aquatic Acute 3 (H402)	Skin Irrit. 2 Eye Irrit. 2A Aquatic Acute 3 Acute Tox. Oral 4

GHS/CLP Classification Note:

Acute Tox. Der. :Acute toxicity - Dermal, Acute Tox. Inh. (D/M) :Acute toxicity - Inhalation - Dusts and Mists, Acute Tox. Inh. (Gas) :Acute toxicity - Inhalation - Gases, Acute Tox. Inh. (Vap) :Acute toxicity - Inhalation - Vapours, Acute Tox. Oral :Acute toxicity - Oral, Aquatic Acute :Acute Hazardous to the aquatic environment, Aquatic Chronic :Chronic Hazardous to the aquatic environment, Asp. Tox. :Aspiration hazard, Carc. :Carcinogenicity, Expl. :Explosives, Eye Dam. :Serious eye damage, Eye Irrit. :Eye irritation, Flam. Gas :Flammable gases (including chemically unstable gases), Flam. Liq. :Flammable liquids, Flam. Solid :Flammable solids, Lact. :Effects on or via lactation, Met. Corr. :Corrosive to metals, Muta. :Germ cell mutagenicity, Org. Perox. :Organic peroxides, Ox. Gas :Oxidizing gases, Ox. Liq. :Oxidizing liquids, Ox. Sol. :Oxidizing solids, Press. Gas :Gases under pressure, Pyr. Liq. :Pyrophoric liquids, Pyr. Sol. :Pyrophoric solids, Repr. :Reproductive toxicity, Resp. Sens. :Respiratory sensitization, Self-heat.: Self-heating substances and mixtures, Self-react. :Self-reactive substances and mixtures, Skin Corr. :Skin corrosion, Skin Irrit. :Skin irritation, Skin Sens. :Skin sensitization, STOT RE :Specific target organ toxicity – Repeated exposure, STOT SE :Specific target organ toxicity – Single exposure, Water-react. :Substances and mixtures which, in contact with water emit flammable gases

skin corrosion/irritation	No information available
Serious eye damage/eye irritation	No information available
Sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
Reproductive toxicity STOT - single exposure	No information available No information available
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Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

85.6% of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

Persistence and degradability No information available



12.3. Bioaccumulative potential

Bioaccumulation

No information available

Chemical		Partition coefficient
4-Methoxyp	henol	1.34
12.4. Mobility in soil		
Mobility in soil	No information available	
12.5. Results of PBT and vPvB as	sessment	
PBT and vPvB assessment	No information available	
12.6. Other adverse effects		
Other adverse effects	No information available	
	Section 13: DISPOSA	L CONSIDERATIONS
13.1. Waste treatment methods		
Waste from Residues/Unused Products	Should not be released into Disposal should be in acco regulations	o the environment ordance with applicable regional, national and local laws and
Contaminated packaging	Improper disposal or reuse	of this container may be dangerous and illegal
other information	was used	signed by the user based on the application for which the product

Store in a tightly sealed drum to prevent the spillage of the content

Section 14: TRANSPORT INFORMATION

Containers/vessels must be leakage-free. Loading must be done to prevent containers from falling, dropping down and being damaged Take necessary steps to prevent collapse Use opaque containers/vessels for storage and transport

UN Number	UN3082
Packing Group	III
ERG Code	171
Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s
IMDG_	
14.1 UN Number	UN3082
14.2 Proper Shipping Name	Environmentally hazardous substances, liquid, n.o.s
14.3 Hazard Class	9
14.4 Packing Group	III
Environmental hazard	yes
14.6 Special Provisions	None

EmS-NoF-A, S-F14.7 Transport in bulk according toNo information available

Annex II of MARPOL 73/78 and the



IBC Code

RID14.1UN Number14.2Proper Shipping Name14.3Hazard Class14.4Packing Group14.5Environmental hazard Classification code14.6Special Provisions	UN3082 Environmentally hazardous substances, liquid, n.o.s 9 III yes M6 None
ADR 14.1 UN Number 14.2 Proper Shipping Name 14.3 Hazard Class Labels 14.4 Packing Group 14.5 Environmental hazard 14.6 Special Provisions Classification code Tunnel restriction code	UN3082 Environmentally hazardous substances, liquid, n.o.s 9 9 III yes None M6 (E)
ICAO (air) 14.1 UN Number 14.2 Proper Shipping Name 14.3 Hazard Class 14.4 Packing Group 14.5 Environmental hazard 14.6 Special Provisions	UN3082 Environmentally hazardous substances, liquid, n.o.s 9 III yes None
IATA 14.1 UN Number 14.2 Proper Shipping Name 14.3 Hazard Class 14.4 Packing Group 14.5 Environmental hazard 14.6 Special Provisions ERG Code	UN3082 Environmentally hazardous substances, liquid, n.o.s 9 III yes None 9L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical name	CAS No	French RG number	Seveso III Derective
2-Propenoic acid, phenylmethyl ester	2495-35-4	-	No information available
2H-Azepin-2-one, 1-ethenylhexahydro-	2235-00-9	-	No information available
Morpholine, 4-(1-oxo-2-propenyl)-	5117-12-4	-	No information available
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-	5888-33-5	-	No information available
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8	-	No information available
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	7328-17-8	-	No information available
Dioctyl maleate	2915-53-9	-	No information available
1,6-Hexanediol diacrylate	13048-33-4	-	No information available
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.al	52408-84-1	-	No information available



pha.',.alpha."-1,2,3-propanetriyltris[.omega			
[(1-oxo-2-propenyl)oxy]-			
2,5-Cyclohexadien-1-one,	7078-98-0	-	No information available
2,6-bis(1,1-dimethylethyl)-4-(phenylmethyle			
ne)-			
4-Methoxyphenol	150-76-5	RG 65	No information available

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

TSCA SNUR's Component Information

This product contains a substance subject to a TSCA section 5 SNUR codified at 40 C.F.R. 721.5185. Please refer to 40 C.F.R. Part 721 and 40 C.F.R. 721.5185. (Morpholine, 4-(1-oxo-2-propenyl)-)

Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

- R22 Harmful if swallowed
- R24 Toxic in contact with skin
- R36 Irritating to eyes
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R43 May cause sensitization by skin contact
- R50 Very toxic to aquatic organisms
- R51 Toxic to aquatic organisms
- R53 May cause long-term adverse effects in the aquatic environment
- R62 Possible risk of impaired fertility
- R21/22 Harmful in contact with skin and if swallowed
- R36/37/38 Irritating to eyes, respiratory system and skin
- R36/38 Irritating to eyes and skin
- R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed
- R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Full text of H-Statements referred to under section 3

- H302 Harmful if swallowed
- H311 Toxic in contact with skin
- 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
- H361 Suspected of damaging fertility or the unborn child
- H361f Suspected of damaging fertility



H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H400 - Very toxic to aquatic life

H402 - Harmful to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H413 - May cause long lasting harmful effects to aquatic life

Key literature references and	LOLI Database (ChemADVISOR, Inc.)
sources for data	

Issue Date 21-Jan-2020 (DD-MM-YYYY)

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet