SAFETY DATA SHEET

Issue Date 27-Sep-2019 (DD-MM-YYYY)
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Version 1.1

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

1.1. Product identifier

Product name INK BOTTLE,WH,1000ML
UFI:ARDD-KX2K-SH4A-3CCT

Product code T49V9

Pure substance/mixture mixture

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

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

Importer / Supplier
-

For further information, please contact

Contact Point +31-20-314-5000
Email address chemicals@epson.eu

1.4. Emergency telephone number

Emergency telephone
Phone number: +31-20-314-5000
Giftnotruf Berlin; +49 (0)30 30686 790
Antigif Belgisch; +32 (0)70 245 245
Austria; +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 3 - (H412)

2.2. Label elements

Symbols/Pictograms

signal word
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
H412 - Harmful 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)-
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester
4-Methoxyphenol 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
P280 - Wear protective gloves/protective clothing/eye protection/face protection

2.3. Other hazards

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)	-
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)	-
Titanium dioxide	236-675-5	13463-67-7	10-20	-	Eye Irrit. 2B (H320)	-
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)	-
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	278-355-8	75980-60-8	10-20	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)	-
Aluminum hydroxide	244-492-7	21645-51-2	1-5	-	-	-
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
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
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 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

5.1. Extinguishing media

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 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 containment 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, including 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
Titanium dioxide	-	STEL: 30 mg/m^3 STEL: 12 mg/m^3 TWA: 10 mg/m^3 TWA: 4 mg/m^3	TWA: 10 mg/m^3	TWA: 10 mg/m^3	-
Aluminum hydroxide	-	STEL: 30 mg/m^3 STEL: 12 mg/m^3 TWA: 10 mg/m^3 TWA: 4 mg/m^3	-	-	TWA: 4 mg/m^3 TWA: 1.5 mg/m^3
4-Methoxyphenol	-	-	TWA: 5 mg/m^3	TWA: 5 mg/m^3	-

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Titanium dioxide	-	TWA: 10 mg/m^3	-	-	TWA: 6 mg/m^3
4-Methoxyphenol	-	TWA: 5 mg/m^3	-	-	TWA: 5 mg/m^3

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Sweden	Czech Republic	Luxembourg
Titanium dioxide	STEL: 10 mg/m^3 TWA: 5 mg/m^3	TWA: 3 mg/m^3	STEL: 30 mg/m^3 TWA: 10.0 mg/m^3 TWA: 10 mg/m^3	TWA: 5 mg/m^3 STEL: 10 mg/m^3	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3	5 mg/m^3 LLV (total dust)	-	-
Aluminum hydroxide	STEL: 10 mg/m^3 TWA: 5 mg/m^3	TWA: 3 mg/m^3	TWA: 2.5 mg/m^3 TWA: 1.2 mg/m^3	-	TWA: 10 mg/m^3 TWA: 4 mg/m^3 STEL: 30 mg/m^3 STEL: 12 mg/m^3	-	TWA: 10.0 mg/m^3	-
4-Methoxyphenol	STEL: 10 mg/m^3 TWA: 5 mg/m^3	-	TWA: 5 mg/m^3	TWA: 5 mg/m^3 STEL: 10 mg/m^3	TWA: 5 mg/m^3 STEL: 15 mg/m^3	-	-	-

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	liquid		
appearance	No information available	**ODR**	characteristic odour
color	colored	**odor threshold**	No information available

Property	**Values**	**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℃	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	1.10-1.20	
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

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	-	-	-	-

Titanium dioxide	2500 - 3000 °C	3.9 - 4.1 g/cm3	-	-	-	-
Aluminum hydroxide	-	2.42 g/cm3 at 20 °C	-	-	-	-
4-Methoxyphenol	243 - 246 °C	-	-	4.3	132 °C open cup	421 °C

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Remarks no data available

10.2. Chemical stability

stability Stable under normal conditions
Polymerization can occur
Heating may cause an explosion

Explosion data

Sensitivity to Mechanical Impact May be ignited by heat, sparks or flames
Sensitivity to Static Discharge May be ignited by heat, sparks or flames

10.3. Possibility of hazardous reactions

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

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 4.3% 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)	1,526.70
ATEmix (dermal)	5,882.40

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] / Other	Japan GHS Classification / 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
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)	-
Titanium dioxide	> 10000 mg/kg (Rat)	-	-	-	Eye Irrit. 2B (H320)	Eye Irrit. 2B
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
Diphenyl-2,4,6-trimethylbenzoyl 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)	Skin Irrit. 2 Eye Irrit. 2A Skin Sens. 1 Acute Tox. Oral 4 Acute Tox. Der. 3 Skin Sens. 1A Aquatic Chronic 2
Aluminum hydroxide	> 5000 mg/kg (Rat)	-	-	-	-	-
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

STOT - single exposure No information available

STOT - repeated exposure No information available

Aspiration hazard No information available

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

96.5% 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 name	Partition coefficient
4-Methoxyphenol	1.34

12.4. Mobility in soil

Mobility in soil No information available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available

12.6. Other adverse effects

Other adverse effects No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products	Should not be released into the environment Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Improper disposal or reuse of this container may be dangerous and illegal
other information	Waste codes should be assigned by the user based on the application for which the product was used 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	not applicable
Packing Group	not applicable
ERG Code	133
Proper Shipping Name	not applicable

IMDG

14.1 UN Number	not applicable
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN Number	not applicable
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	not applicable
14.5 Environmental hazard	not applicable
14.6 Special Provisions	None

ADR

14.1 UN Number	not applicable
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	not applicable
14.5 Environmental hazard	not applicable
14.6 Special Provisions	None

ICAO (air)

14.1 UN Number	not applicable

14.2	**Proper Shipping Name**	Not regulated
14.3	**Hazard Class**	Not regulated
14.4	**Packing Group**	not applicable
14.5	**Environmental hazard**	not applicable
14.6	**Special Provisions**	None

IATA

14.1	**UN Number**	not applicable
14.2	**Proper Shipping Name**	Not regulated
14.3	**Hazard Class**	Not regulated
14.4	**Packing Group**	not applicable
14.5	**Environmental hazard**	not applicable
14.6	**Special Provisions**	None

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
Morpholine, 4-(1-oxo-2-propenyl)-	5117-12-4	-	No information available
Titanium dioxide	13463-67-7	-	No information available
2H-Azepin-2-one, 1-ethenylhexahydro-	2235-00-9	-	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
Aluminum hydroxide	21645-51-2	-	No information available
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

SVHC Substances	Substances in candidate list (Art. 59 Reg. 1907/2006, REACH): Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide SVHC
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
R51 - Toxic to aquatic organisms
R62 - Possible risk of impaired fertility
R21/22 - Harmful in contact with skin and if swallowed
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
R52/53 - Harmful 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
H320 - Causes eye 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
H402 - Harmful to aquatic life
H411 - Toxic to aquatic life with long lasting effects

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

Issue Date 27-Sep-2019 (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