

# SAFETY DATA SHEET

Issue Date 11-Jul-2019 (DD-MM-YYYY)
Revision Date 19-Jul-2023 (DD-MM-YYYY)

Version 1.1

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

#### 1.1. Product identifier

**Product name** INK BOTTLE,Y,1000ML

UFI:19DD-1XMM-7H4U-TNFG

Product code T49V4

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 Importer / Supplier

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 +31-20-314-5000 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

Regulation (20) No 1212/2000	
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)



**T49V4\_11** (DD-MM-YYYY)

Chronic aquatic toxicity Category 2 - (H411)

#### 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

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.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alpha.,.alp

1,6-Hexanediol diacrylate

2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4-(phenylmethylene)-

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

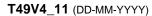
P405 - Store locked up

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

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

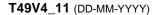
# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

## 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	-	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	-
Benzene, ethenyl-, copolymer with 2,5-Furandione and	-	-	< 1	N; R50	Aquatic Acute 1 (H400)	-





Benzene, 1,1'-(1,1-dimethyl-3-methyl ene-1,3-propanediyl)bis-, rp. with Oxirane,methyl, polymer with oxirane, 2-aminopropyl methyl ether and 1,3-Propanediamine, N,N-dimethyl-, Oxirane, mono[(C10-16-alkyloxy)met hyl] derivs quaternised, compound with Benzoic acid						
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

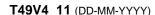
Seek immediate medical attention/advice

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





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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

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 In the event of fire and/or explosion do not breathe fumes



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chemical 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

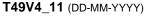
Methods for cleaning up Cover liquid spill with sand, earth or other non-combustible absorbent material

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)

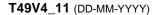
## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

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

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

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Sweden	Czech Republic	Luxembourg
4-Methoxyphenol	STEL: 10	-	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	-	-	-





mg/m <sup>3</sup>	ST	EL: 10   511	=L: 15	
TWA: 5 mg/m <sup>3</sup>	m	g/m³ m	g/m³	

**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

Local authorities should be advised if significant spillages cannot be contained **Environmental exposure controls** 

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** liquid

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

**Property** Values Remarks • Method

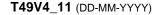
not applicable Hq Melting point/freezing point no data available

Boiling point/boiling range no data available No information available

**Flash Point** Ceta Closed Cup ≥94°C **Evaporation Rate** no data available No information available

Combustibility no data available

Flammability Limits in Air





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Upper flammability limitsno data availableLower Flammability Limitno data available

vapor pressureno data availableNo information availableVapor Densityno data availableNo information available

Specific gravity 1.00-1.10

solubility(ies)

Water solubility Immiscible in water

Organic Solvent Solubility soluble in organic solvents

Partition coefficientno data availableNo information availableAutoignition Temperatureno data availableNo information availabledecomposition temperatureno data availableNo 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	-	-	-	-
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

**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

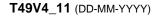
Conditions to Avoid Take precautionary measures against static discharges

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**

InhalationReference to other sections; 4Eye contactReference to other sections; 4Skin contactReference to other sections; 4INGESTIONReference to other sections; 4

**Unknown acute toxicity** 10.4% 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)** 1,391.30 **ATEmix (dermal)** 5,376.00

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
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	-	-	_	Repr.Cat.3: R62	Repr. 2 (H361f)	_

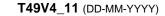




zoyl phosphine oxide					Repr. 2 (H361)	
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	-	-	-	-	Acute Tox. 4 (H302) Acute Tox. 3 (H311) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	Acute Tox. Oral 4 Acute Tox. Der. 3 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1A Aquatic Chronic 2
Benzene, ethenyl-, copolymer with 2,5-Furandione and Benzene, 1,1'-(1,1-dimethyl-3-methyl ene-1,3-propanediyl)bis-, rp. with Oxirane, methyl, polymer with oxirane, 2-aminopropyl methyl ether and 1,3-Propanediamine, N,N-dimethyl-, Oxirane, mono[(C10-16-alkyloxy)methyl] derivs quaternised, compound with Benzoic acid	-	-	-	N; R50	Aquatic Acute 1 (H400)	Aquatic Acute 1
1,6-Hexanediol diacrylate	<del>-</del>	-	-	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 y]-	-	-	-	Xi; R36-43	Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	Eye Irrit. 2A Skin Sens. 1
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

STOT - single exposure No information available

STOT - repeated exposure No information available

Aspiration hazard No information available

## **Section 12: ECOLOGICAL INFORMATION**

## 12.1. Toxicity

84.5% 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

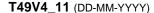
Mobility in soil No information available

#### 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 UN3082
Packing Group III
ERG Code 171

Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s

<u>IMDG</u>

**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-No
 F-A, S-F

14.7 Transport in bulk according to No information available

Annex II of MARPOL 73/78 and the

**IBC Code** 

RID

**14.1 UN Number** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s

14.3Hazard Class914.4Packing GroupIII14.5Environmental hazardyesClassification codeM614.6Special ProvisionsNone

<u>ADR</u>

**14.1 UN Number** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s

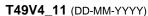
 14.3 Hazard Class
 9

 Labels
 9

 14.4 Packing Group
 III

 14.5 Environmental hazard
 yes

 14.6 Special Provisions
 None





Classification code M6 Tunnel restriction code (E)

ICAO (air)

**14.1 UN Number** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s

14.3Hazard Class914.4Packing GroupIII14.5Environmental hazardyes14.6Special ProvisionsNone

<u>IATA</u>

**14.1 UN Number** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substances, liquid, n.o.s

14.3Hazard Class914.4Packing GroupIII14.5Environmental hazardyes14.6Special ProvisionsNoneERG Code9L

## **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
Benzene, ethenyl-, copolymer with 2,5-Furandione and Benzene, 1,1'-(1,1-dimethyl-3-methylene-1,3-propane diyl)bis-, rp. with Oxirane,methyl, polymer with oxirane, 2-aminopropyl methyl ether and 1,3-Propanediamine, N,N-dimethyl-, Oxirane, mono[(C10-16-alkyloxy)methyl] derivs quaternised, compound with Benzoic acid	-	-	No information available
1,6-Hexanediol diacrylate	13048-33-4	-	No information available
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.al pha.',.alpha."-1,2,3-propanetriyltris[.omega [(1-oxo-2-propenyl)oxy]-	52408-84-1	-	No information available
2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4-(phenylmethyle ne)-	7078-98-0	-	No information available
4-Methoxyphenol	150-76-5	RG 65	No information available

## **European Union**



**T49V4\_11** (DD-MM-YYYY)

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

R36 - Irritating to eyes

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact

R50 - Very toxic to aquatic organisms

R62 - Possible risk of impaired fertility

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

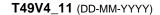
Key literature references and

LOLI Database (ChemADVISOR, Inc.)

sources for data

Issue Date 11-Jul-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**