EPSON

Safety Data Sheet

Issue date 20-10-2020 (DD-MMM-YYYY)

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

1.1. Product Identifier

Product name INK SUPPLY UNIT,UV,Y,140

Product code T53R4

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)

1.3. Details of the supplier of the safety data sheet

Company Name
Supplier in Australia:
EPSON Australia Pty Limited
Level1, 3 Talavera Road Macquarie Park NSW 2113, Australia
(02) 8899 3666 www.epson.com.au

Supplier in New Zealand:
EPSON New Zealand Pty Limited
7-9 Fanshawe Street, Auckland 1010, New Zealand
(09) 366 6855 www.epson.co.nz

Importer / Supplier
-

For further information, please contact

Contact Point -

1.4. Emergency telephone number

Emergency Telephone Number	Australia	(02) 8899 3666 (Mon-Fri, 9AM-5PM, AEST)
	New Zealand	(09) 366 6855 (Mon-Fri, 9AM-5PM, NZST)

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)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

Classification according to 67/548/EEC
Full text of R-phrases: see section 16

Hazard symbols
T - Toxic

N - Dangerous for the environment

R-code(s)
Repr. cat. 3;R62 - T;R48/23 - Xn;R48/22 - Xn;R21/22 - Xi;R37/38 - Xi;R41 - R43 - N;R51/53

2.2. Label Elements

Product Identifier
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
H400 - Very toxic to aquatic life
H410 – Very 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 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

No information available

SECTION 3: Composition/information on ingredients

3.1 Substances

Ingredients contributing to the classification of the mixture, etc.

Chemical name	CAS No	weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] ANNEX VI Table3.1 / Other	Japan GHS Classification / Other
2-Propenoic acid, phenylmethyl ester	2495-35-4	30-40	Xi; R36/38-43	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1 (H317)	Skin Irrit. 2 Eye Irrit. 2A Skin Sens. 1B
2H-Azepin-2-one, 1-ethenylhexahydro-	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)	Acute Tox. Oral 4 Eye Irrit. 2 Skin Sens. 1B STOT RE 1
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-	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)	Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1B STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8	5-10	Repr.Cat.3; R62	Repr. 2 (H361f) Repr. 2 (H361)	-
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	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)	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-methylene-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	-	< 1	N; R50	Aquatic Acute 1 (H400)	Aquatic Acute 1
1,6-Hexanediol diacrylate	13048-33-4	< 1	Xi; R36/38 R43	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	Aquatic Chronic 1 Aquatic Acute 1 Skin Sens. 1

				Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.,.alpha.-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propenyl)oxy]-	52408-84-1	< 1	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)-	7078-98-0	< 1	R43 R53	Skin Sens. 1 (H317) Aquatic Chronic 4 (H413)	-
4-Methoxyphenol	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)	Skin Irrit. 2 Eye Irrit. 2A Aquatic Acute 3 Acute Tox. Oral 4

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
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 — CO_2, 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

Special Extinguishing Media — Cool container with water spray

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

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
Keep away from any Group 1 and Group 6 dangerous goods and high pressure gases.
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
Store the materials in comliance with the the Fire Service Act regulations.
The product shall be stored in the original containers/vessels
Polymerization 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	Australia	New Zealand	European Union	United Kingdom	France	Spain	Germany
4-Methoxyphenol	5 mg/m^3	TWA: 5 mg/m^3	-	-	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
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

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
Chemical Controls for Australian Printers	• Minimise skin contact with inks and cleaning chemicals. • Ensure that ventilation equipment is maintained and working effectively, to minimise airborne exposures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

Property	**Values**	**Remarks • Flash point measuring method**
pH	Not applicable	
Melting point/freezing point	no data available	
Boiling point/boiling range	no data available	No information available
Flash Point	≧94℃	Seta 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

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

Product Information
Product does not present an acute toxicity hazard based on known or supplied information

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 5.9% 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)	1,552.80
ATEmix (dermal)	5,838.30

Chemical name	Oral LD50	dermal LD50	Inhalation LC50	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] ANNEX VI Table3.1 / Other	Japan GHS Classification / Other
2-Propenoic acid, phenylmethyl ester	-	-	-	Xi; R36/38-43	Skin Irrit. 2 (H315) Eye Irrit. 2A (H319) Skin Sens. 1B (H317)	Skin Irrit. 2 Eye Irrit. 2A Skin Sens. 1B
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-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)	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-methylene-1,3-propanediyl)bis-, rp. with Oxirane,methyl, polymer with	-	-	-	N; R50	Aquatic Acute 1 (H400)	Aquatic Acute 1

oxirane, 2-aminopropyl methyl ether and 1,3-Propanediamine, N,N-dimethyl-, Oxirane, mono[(C10-16-alkyloxy)methyl] derivs. - quaternised, compound with Benzoic acid						
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-ethanediyl)], .alpha.,.alpha.,.alpha.-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propenyl)oxy]-	-	-	-	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

49.2 % 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 substance, liquid, n.o.s.

IMDG

14.1 UN number	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, 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 Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN number	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
Classification code	M6
14.6 Special Provisions	None

ADR

14.1 UN number	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, 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 substance, liquid, n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

IATA

14.1 UN number	UN3082
14.2 Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None
ERG Code	9L

SECTION 15: Regulatory information

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

National regulations

Australia
See section 8 for national exposure control parameters

New Zealand
• See section 8 for national exposure control parameters

ERMA New Zealand HSNO approval code or group standard Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017 - HSR002670

Chemical name	CAS No	HSNO Chemical Classification
2-Propenoic acid, phenylmethyl ester	2495-35-4	-
2H-Azepin-2-one, 1-ethenylhexahydro-	2235-00-9	6.1D dermal, 6.1D inhalation, 6.1D oral (Approval number: HSR006712)
Morpholine, 4-(1-oxo-2-propenyl)-	5117-12-4	6.3A, 6.4A (Approval number: HSR007147)
2-Propenoic acid, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-	5888-33-5	-
Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide	75980-60-8	-
2-Propenoic acid, 2-(2-ethoxyethoxy)ethyl ester	7328-17-8	6.3A, 6.4A (Approval number: HSR007360)
Benzene, ethenyl-, copolymer with 2,5-Furandione and Benzene, 1,1'-(1,1-dimethyl-3-methylene-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	-	-
1,6-Hexanediol diacrylate	13048-33-4	6.3A, 6.4A, 6.5B contact (Approval number: HSR003631)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha.''-1,2,3-propanetriyltris[.omega.-[(1-oxo-2-propenyl)oxy]-	52408-84-1	6.1E inhalation, 6.3A, 6.4A (Approval number: HSR003630); 6.3A, 6.4A (>10% in a non hazardous diluent, Approval number: HSR005991)
2,5-Cyclohexadien-1-one, 2,6-bis(1,1-dimethylethyl)-4-(phenylmethylene)-	7078-98-0	-
4-Methoxyphenol	150-76-5	6.1D oral, 6.3A, 6.4A, 6.5B contact, 9.1A crustacean, 9.1D fish, 9.3C (Approval number: HSR003017)

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
R50/53 - Very 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

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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