

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture
 Product name : DIAMONDCOAT 100 CLEAR PART - A
 CAS-No. : 25068-38-6
 Product code : (5034)

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Endura Paint PTY LTD
 40 Port Kembla Drive
 6163 Bibra Lake - Australia
 T (08) 9418 2999
www.phoenixpaints.com.au

1.5. Emergency phone number

Emergency number : In the event of an emergency involving dangerous goods: Please contact 0429 555 954

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 2 H315
 Serious eye damage/eye irritation, Category 2A H319
 Skin sensitisation, Category 1 H317
 Germ cell mutagenicity, Category 2 H341
 Carcinogenicity, Category 1B H350
 Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411

2.2. Label elements

Hazard pictograms (GHS-AU) :



Signal word (GHS-AU) :

Danger

Contains :

epoxy resins, liquids, MM<=700 (31.783 - 52.972 %); 2,3-epoxypropyl o-tolyl ether (5.297 - 10.594 %); distillates (petroleum), solvent-refined heavy paraffinic (0.522 - 0.533 %)

Hazard statements (GHS-AU) :

H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H341 - Suspected of causing genetic defects
 H350 - May cause cancer
 H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS-AU) :

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 - Wash thoroughly after handling
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P281 - Use personal protective equipment as required.
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

DIAMONDCOAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see 4.1. First aid procedures on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

Name	CAS-No.	Compound type	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
epoxy resins, liquids, MM<=700	25068-38-6		31.783 - 52.972	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
2,3-epoxypropyl o-tolyl ether	2210-79-9		5.297 - 10.594	Skin Irrit. 2, H315 Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411
distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		0.522 - 0.533	Carc. 1B, H350

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Take a copy of this safety data sheet when going for medical treatment. IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Call a poison center/doctor/physician if you feel unwell. Call a physician immediately.
- First-aid measures after skin contact : Wash immediately with lots of water (15 minutes)/shower. Gently wash with plenty of soap and water. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Rinse skin with water/shower. Remove/Take off all contaminated clothing immediately. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor/medical service if irritation persists. Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Do not induce vomiting. Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Get immediate medical advice/attention. Never give anything by mouth to an unconscious person. Call a poison center/doctor/physician if you feel unwell.

4.2. Symptoms caused by exposure

- Symptoms/effects after skin contact : May cause an allergic skin reaction. May cause moderate irritation. Irritation.
- Symptoms/effects after eye contact : May cause eye irritation.

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

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Dry powder. Foam. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.

DIAMONDCOAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable. Highly flammable liquid and vapor.
- General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Prevent fire-fighting water from entering environment. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
- Other information : On exposure to high temperature, may decompose, releasing toxic gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Protective clothing. Protective goggles.
- Emergency procedures : Avoid contact with skin and eyes. Wash contaminated clothes. NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Do not allow product to spread into the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Contain large spillage with sand or earth. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Absorb remaining liquid sand or inert absorbent and remove to safe place. Collect leaking and spilled liquid in sealable containers as far as possible. Scoop absorbed substance into closing containers or synthetic bags. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Clean contaminated clothing. Do not discharge the waste into the drain. Do not eat, drink or smoke when using this product. Ensure good ventilation of the work station. Keep container tightly closed. Observe normal hygiene standards. Use only in well-ventilated areas. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
- Hygiene measures : Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Always wash hands after handling the product.

DIAMOND COAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Keep cool. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Incompatible products	: Oxidizing agent. strong acids. Strong bases.
Storage temperature	: 10 - 25 °C
Storage area	: Protect against frost.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Exposure limit values of other components

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Personal protective equipment

Hand protection	: Gloves. nitrile rubber gloves
Eye protection	: Chemical goggles or face shield. Safety glasses
Skin and body protection	: chemical resistant apron. Chemical resistant safety shoes
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. Wear approved mask. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Wear respiratory protection.
Environmental exposure controls	: Avoid release to the environment.

9.1. SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	:
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point / Freezing point	: Melting point : Not applicable
Boiling point	: ≈ 100 °C
Flash point	: > 93 °C
Auto-ignition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Specific gravity / density	: Specific gravity / density : 1.064 g/cm ³
Solubility	: No data available
Log Pow	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Explosion limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available
Percent Solids (Weight)	: 54.66 %

DIAMOND COAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Percent Solids (Volume) : 51.7 %

10.1. SECTION 10: Stability and reactivity

Reactivity : Highly flammable liquid and vapor. Highly flammable liquid and vapor
Chemical stability : Stable under normal conditions of use.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.
Incompatible materials : strong acids. Strong bases. Oxidizing agent.
Hazardous decomposition products : No hazardous decomposition products known at room temperature.

11.1. SECTION 11: Toxicological information

Likely routes of exposure : Inhalation. Skin and eyes contact.
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

epoxy resins, liquids, MM<=700 (25068-38-6)	
LD50 oral rat	> 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
2,3-epoxypropyl o-tolyl ether (2210-79-9)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LC50 inhalation rat (mg/l)	6.09 mg/l/4h (Rat)

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Suspected of causing genetic defects.
Carcinogenicity : May cause cancer.

Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : Not classified

DIAMOND COAT 100 CLEAR PART - A (25068-38-6)	
Specific gravity / density	1.064 g/cm ³

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Aquatic acute : Not classified
Aquatic chronic : Toxic to aquatic life with long lasting effects.

quartz, conc respirable crystalline silica>=10% (14808-60-7)	
LC50 fish 1	> 500 mg/l
EC50 Daphnia 1	> 300 mg/l
tetrasodium pyrophosphate (7722-88-5)	
LC50 fish 1	> 1500 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 48 h; Leuciscus idus)
EC50 Daphnia 1	126 ppm (TLm; 72 h)

DIAMOND COAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

epoxy resins, liquids, MM<=700 (25068-38-6)	
LC50 fish 2	2.3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 2	1.1 - 2.8 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
BCF other aquatic organisms 1	3 - 31 (BCF)
Log Pow	>= 2.918 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C)
Log Koc	log Koc, SRC PCKOCWIN v2.0; 2.65; QSAR

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
LC50 fish 1	1 - 10 mg/l (LC50)
EC50 Daphnia 1	1 - 10 mg/l (EC50)
Log Pow	2.16 (Estimated value)

4-nonylphenol, branched, ethoxylated (127087-87-0)	
EC50 Daphnia 1	1000 mg/l (LC50; 48 h; Crustacea)

Isopropanol (67-63-0)	
LC50 fish 2	9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	13299 mg/l (EC50; Other; 48 h; Daphnia magna)
Log Pow	0.05 (Weight of evidence approach; Other; 25 °C)
Threshold limit algae 1	> 1000 mg/l (EC50; UBA; 72 h; Scenedesmus subspicatus)

12.2. Persistence and degradability

epoxy resins, liquids, MM<=700 (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water. Hydrolysis in water. Low potential for adsorption in soil.

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
Persistence and degradability	Not readily biodegradable in water. Biodegradability in soil: no data available. Photodegradation in the air.

12.3. Bioaccumulative potential

epoxy resins, liquids, MM<=700 (25068-38-6)	
BCF other aquatic organisms 1	See section 12.1 on ecotoxicology
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
Log Pow	See section 12.1 on ecotoxicology
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

epoxy resins, liquids, MM<=700 (25068-38-6)	
Surface tension	0.0 587-0.0589, 20 °C
Log Pow	See section 12.1 on ecotoxicology
Log Koc	See section 12.1 on ecotoxicology

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
Log Pow	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

DIAMOND COAT 100 CLEAR PART - A (25068-38-6)	
Fluorinated greenhouse gases	False

epoxy resins, liquids, MM<=700 (25068-38-6)	
Fluorinated greenhouse gases	False

DIAMOND COAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

2,3-epoxypropyl o-tolyl ether (2210-79-9)

Fluorinated greenhouse gases	False
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distillates (petroleum), solvent-refined heavy paraffinic (64741-88-4)

Fluorinated greenhouse gases	False
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SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with all local, regional, national and international regulations.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name - Addition

Not applicable

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable



IATA

Transport hazard class(es) (IATA) : Not applicable



14.4. Packing group

Packing group (ADG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Marine pollutant : Yes

Dangerous for the environment : Yes

14.6. Special precautions for user

Specific storage requirement : No data available

Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not applicable

DIAMOND COAT 100 CLEAR PART - A

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Transport by sea

Not applicable

Air transport

Not applicable

14.8. Hazchem or Emergency Action Code

Hazchemcode : Not applicable

SECTION 15: Regulatory information

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

Listed on the AICS (the Australian Inventory of Chemical Substances) : Listed on the AICS (the Australian Inventory of Chemical Substances)

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Revision date : 19/12/2018

Classification:

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Muta. 2	H341
Carc. 1B	H350
Aquatic Chronic 2	H411

Full text of H-phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Carc. 1B	Carcinogenicity Category 1B
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Muta. 2	Germ cell mutagenicity Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

SDS Australia (Phoenix)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product