MAXICOAT 100 NEW SIGNAL RED PART-A

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date:27/02/2018 Revision date:24/11/2023 Supersedes: 20/03/2019 Version: 1.4

SECTION 1: Product identifier

1.1. Product identifier

Product form : Mixture

Product name : MAXICOAT 100 NEW SIGNAL RED PART-A

Product code : 5040N - NEW SIGNAL RED

1.2. Other means of identification

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Coatings and paints, thinners, paint removers

1.4. Supplier's details

Endura Paint PTY LTD
Unit 2/61 Miguel Road
Bibra Lake WA 6163 - Australia
T +61 (08) 9418 2999
www.pheonixpaints.com.au

1.5. Emergency phone number

Emergency number : In the event of an emergency involving dangerous goods: In Australia call CHEMTREC at Local (Sydney) +62 2 9037 2994 or Toll Free 1800 862 115. In New Zealand call CHEMTREC at Local (Aukland) +64 9-801 0034 or Toll Free 0800 425 459 24 hours/7days (Account Name Endura Paint Pty Ltd.)

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

2.2. Label elements

Hazard pictograms (GHS AU) :

Signal word (GHS AU) : Danger

Contains : epoxy resins, liquids, MM≤700 (20-40 %); 2,3-epoxypropyl o-tolyl ether (0-10 %); distillates (petroleum), solvent-refined heavy paraffinic (<0.5 %)

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

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/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 - IF ON SKIN: Wash with plenty of 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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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		20-40	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
2,3-epoxypropyl o-tolyl ether	2210-79-9		0-10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411
distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4		<0.5	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 or a doctor 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. Wash skin with plenty of water. Take off contaminated clothing. 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. Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor/medical service if irritation persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out 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 or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

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

Symptoms/effects after eye contact : Causes eye irritation. Eye irritation.

Symptoms/effects after ingestion : Harmful if swallowed.

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 : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

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 the 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.

Hazchem Code : * 3Z

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. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/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 with 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

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. 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. 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 eating, drinking or smoking and when leaving work. 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. Wear personal protective equipment. 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/vapours/spray.

Hygiene measures : Wash thoroughly after handling. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep cool. Protect from sunlight. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place. Keep cool.

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 for the other components

8.2. Monitoring

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 insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. [In case of inadequate ventilation] wear respiratory protection.

Environmental exposure controls	:	Avoid release to the environment.

9.1. SECTION 9: Physical and chemical properties

Physical state	:	Liquid
No data availableColour	:	Mixture contains one or more component(s) which have the following colour(s): White Yellow Colourless No data available on colour Off-white to light grey Colourless to white White to light grey Light yellow
Odour	:	Odour threshold is subjective and inadequate to warn for overexposure. Mixture contains one or more component(s) which have the following odour: Odourless Mild odour Almost odourless Characteristic odour
Odour threshold	:	No data available
pH	:	8.3 – 8.5
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point / Freezing point	:	Melting point : Not applicable
Boiling point	:	100 °C
Flash point	:	> 60 °C
Auto-ignition temperature	:	No data available
Flammability	:	No data available
Vapour pressure	:	No data available
Relative density	:	No data available
Density	:	Density : 1.084 g/cm³
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Explosive limits	:	No data available
Minimum ignition energy	:	No data available

Fat solubility	:	No data available
Percent Solids (Weight)	:	56.3 %
Percent Solids (Volume)	:	53.202 %
Percent Volatile (Weight)	:	43.69 %
Percent Volatile (Volume)	:	46.798 %

10.1. SECTION 10: Stability and reactivity

Reactivity	:	No data available.No data available
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None under normal use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
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	:	Dermal. Ingestion. 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 (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rat	> 2000 mg/kg (Rat, Dermal)
LC50 Inhalation - Rat	6.09 mg/l (4 h, Rat, Inhalation)

Skin corrosion/irritation	:	Slightly irritant but not relevant for classification pH: 8.3 – 8.5
Serious eye damage/irritation	:	Slightly irritant but not relevant for classification pH: 8.3 – 8.5
Respiratory or skin sensitisation	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Suspected of causing genetic defects.
Carcinogenicity	:	May cause cancer.
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

MAXICOAT 100 NEW SIGNAL RED PART-A	
Density	1.084 g/cm³

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.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

epoxy resins, liquids, MM≤700 (25068-38-6)	
LC50 - Fish [1]	2.3 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
BCF - Other aquatic organisms [1]	31 (Estimated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3 (Estimated value, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.65 (log Koc, SRC PCKOCWIN v2.0, QSAR)

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
LC50 - Fish [1]	1 – 10 mg/l (Pisces)
EC50 - Crustacea [1]	1 – 10 mg/l (Invertebrata)
Partition coefficient n-octanol/water (Log Pow)	2.16 (Estimated value)

4-nonylphenol, branched, ethoxylated (127087-87-0)	
LC50 - Fish [1]	11.6 mg/l (48 h, Oryzias latipes, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	14 mg/l (48 h, Daphnia magna, Static renewal, Fresh water, Experimental value)
BCF - Fish [1]	7.6 – 12.4 l/kg (6 week(s), Cyprinus carpio, Static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	5.67 (Practical experience/observation, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.631 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)

SIL-CO-SIL 125 (14808-60-7)	
LC50 - Fish [1]	> 500 mg/l
EC50 - Crustacea [1]	> 300 mg/l

tetrasodium pyrophosphate (7722-88-5)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	> 100 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.17 (log Koc, Experimental value)

polyethylene glycol (25322-68-3)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Poecilia reticulata, Static system, Fresh water, Experimental value, Nominal concentration)
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h)
BCF - Fish [1]	3.2 (Other, Pisces, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	-0.96 – -0.7 (Weight of evidence approach, Other, 30 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1 (log Koc, Other, Calculated value)

talc (14807-96-6)	
LC50 - Fish [1]	89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)
Partition coefficient n-octanol/water (Log Pow)	-9.4 (QSAR, KOWWIN, 25 °C)

12.2. Persistence and degradability

epoxy resins, liquids, MM≤700 (25068-38-6)	
Persistence and degradability	Not readily biodegradable in water.

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

12.3. Bioaccumulative potential

epoxy resins, liquids, MM≤700 (25068-38-6)	
BCF - Other aquatic organisms [1]	See section 12.1 on ecotoxicology
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

epoxy resins, liquids, MM≤700 (25068-38-6)	
Organic Carbon Normalized Adsorption Coefficient (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)	
Partition coefficient n-octanol/water (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	59 mN/m (20 °C, 0.09 g/l)
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology
Ecology - soil	Low potential for adsorption in soil.

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
Partition coefficient n-octanol/water (Log Pow)	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

MAXICOAT 100 NEW SIGNAL RED PART-A	
Fluorinated greenhouse gases	False

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

2,3-epoxypropyl o-tolyl ether (2210-79-9)	
Fluorinated greenhouse gases	False

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

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.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) :

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 : No

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

Special provision (ADG) : 179, 274, 331, 335, AU01
Limited quantities (ADG) : 5l
Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T4
Portable tank and bulk container special provisions (ADG) : TP1, TP29

Transport by sea

Not applicable

Air transport

Not applicable

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

SECTION 15: Regulatory information

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

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) : Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

15.2. International agreements

SECTION 16: Other information

Revision date : 24/11/2023

Classification:

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

Full text of H-statements:

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 sensitisation, 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)