

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: Bona R410 Component B

1.2 PRODUCT CODE: Not applicable.

1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:

RELEVANT IDENTIFIED USES: Component B (Hardener) of a two-part Epoxy Resin used as a primer.
RESTRICTIONS ON USE: None known.

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME: Bona Australia Pty Ltd (ABN: 2208 758 1520),
ADDRESS: Unit 9, Wareca Business Park
1866 Princes Highway, Clayton, Victoria, 3168
E-MAIL: info@bona.net.au
TELEPHONE NUMBER: 03 9543 4399

1.5 EMERGENCY TEL. NUMBER: 03 9543 4399 Business Hours. (0408 008 762 After Hours or National Chemical Emergency Centre Europe 18000 74234.)
Poisons Information Centre (Aust 131 126)

SECTION 2 – HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:

GHS CLASSIFICATION HAZARD CLASS & CATEGORY:

The product is a mixture and has been assessed under the Model Work Health and Safety Regulations with the following Classification:

Acute Toxicity - Oral -	Category 4
Skin Corrosion / Irritation -	Category 1B
Sensitisation – Skin –	Category 1
Acute Toxicity - Inhalation -	Category 4
Chronic Aquatic Toxicity -	Category 2

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Danger

PICTOGRAMS:



HAZARD STATEMENTS: H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H332 - Harmful if inhaled.
H411 - Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION: P102 - Keep out of reach of children.
P103 - Read carefully and follow all instructions.
P260 - Do not breathe dusts or mists, vapours or spray.
P264 - Wash hands thoroughly with soap and water after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
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.

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SECTION 2 – HAZARD(S) IDENTIFICATION - Continued

RESPONSE:

P101 - If medical advice is needed, have product container or label at hand.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 CENTRE/doctor/physician.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.

STORAGE: P405 - Store locked up.

DISPOSAL: P501 - Dispose of contents/container in accordance with local regulations.

2.3 OTHER HAZARDS: This is a Schedule 5 Poison and has an extremely high pH of 12. Avoid breathing vapour or spray mists. Excessive exposure may result in irritation to the respiratory system. People with pre-existing skin conditions, such as eczema or dermatitis, should take precautions so as not to exacerbate the condition. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Benzenemethanol	100-51-6	≥25% - ≤50%	Acut Tox 4 - H302 Eye Irrit 2A - H319 Acut Tox 4 - H332
Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-	2855-13-2	≥10% - ≤25%	Acut Tox 4 - H302 Acut Tox 4 - H312 Skin and Eye Corr 1B - H314 Skin Sen 1 - H317 Chron Aq Tox 3 - H412
1,3-Benzenedimethanamine	1477-55-0	≥10% - ≤25%	Acut Tox 4 - H302 Skin and Eye Corr 1B - H314 Skin Sen 1 - H317 Acut Tox 4 - H332 Chron Aq Tox 3 - H412
Phenol, 4-nonyl-, branched	84852-15-3	≤2.5%	Acut Tox 4 - H302 Skin and Eye Corr 1B - H314 Tox Repro 2 - H361fd Acut Aq Tox 1 - H400 Chron Aq Tox 1 - H410
Other non-hazardous ingredients	-	To 100%	Not Applicable

* Please see Section 15 of this SDS for the full text description of the Label Elements.

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SECTION 4 – FIRST AID MEASURES

4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INGESTION: If swallowed, rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. The product has a high pH of 12. As the product is rated as corrosive, after rinsing the mouth immediately call a Poisons Information Centre (Tel. Australia 13 11 26; New Zealand 0800 764 766) or doctor/physician.

EYE: If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. As the product is rated as a Corrosive that Causes severe eye damage, after flushing, immediately call a Poisons Information Centre or doctor/physician.

SKIN CONTACT: If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. Do NOT use solvents and thinners. As the product is rated as a Corrosive that Causes severe skin burns and is a sensitiser, after flushing, immediately call a Poisons Information Centre or doctor/physician.

INHALATION: If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops/persists, consult a doctor. As the product is a corrosive and is also rated as Harmful if inhaled, if vapours are inhaled and the person has difficulty breathing, immediately call a Poisons Information Centre or doctor/physician.

PROTECTION FOR FIRST AIDERS:

No personnel shall place themselves in a situation that is potentially hazardous to themselves. Assess the scenario for PPE requirements before entering. Assess environment for vapours before entering. Do not enter contaminated area without a respirator. If the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.

FIRST AID FACILITIES: Eye wash fountain and safety showers are recommended in the area where the product is used. As a minimum, a source of running, potable water must be available.

4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:

ACUTE: The product is rated as Causes severe skin burns and eye damage, Harmful if swallowed and Harmful if inhaled. Eye contact may lead to severe burns, redness, pain, swelling, tearing and blurred vision, as well as permanent eye damage in a worst case scenario. Skin contact may lead to irritation and possible skin burns. Inhalation of vapours may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing. The product has a high pH of 12. Ingestion of the product could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns.

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SECTION 4 – FIRST AID MEASURES - Continued

CHRONIC: Repeated or prolonged skin contact may also aggravate/exacerbate existing skin conditions, such as dermatitis. The product is rated as May cause an allergic skin reaction. The product also contains Phenol, 4-nonyl-, branched, which is Suspected of damaging fertility or the unborn child.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:

ADVICE TO DOCTOR: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE MEDIA: Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, alcohol resistant foam, dry chemical or water fog. Spray down fumes resulting from fire.

UNSUITABLE MEDIA: Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

COMBUSTION HAZARDS: Combustion may produce oxides of carbon and nitrogen, as well as thick black smoke and irritating vapours.

5.3 ADVICE FOR FIREFIGHTERS:

FIRE: This product is not flammable under conditions of use. It has a Typical Flash Point of 109°C. Keep storage areas and fire exposed surfaces, etc, cool with water spray. Do not allow runoff from a fire to enter drains, sewers or waterways.

HAZCHEM CODE: 2X.

EXPLOSION: No information to indicate that the product is an explosion hazard. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

PROTECTIVE EQUIPMENT:

In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PROTECTION: For spills, wear Nitrile Rubber gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency. If in doubt wear self-contained breathing apparatus.

CONTROL MEASURES: Ventilate area and extinguish and/or remove all sources of ignition. Stop the leak if safe to do so. **CAUTION:** The spilled product will be slippery. Avoid contact with the spilled material.

EMERGENCY PROCEDURES: In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES - Continued

6.2 ENVIRONMENTAL PRECAUTIONS:

SPILL ADVICE: Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

CONTAINMENT: Contain the spill and absorb with a proprietary absorbent material, sand or earth. **CAUTION:** The spilled product will be slippery. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

CLEANING PROCEDURES: Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. **CAUTION:** The spilled product will be slippery. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped into vessels and returned for reprocessing or destruction. Personnel must wear gloves, goggles or glasses, boots and full-length clothing during cleaning procedures. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

7.1 PRECAUTIONS FOR SAFE HANDLING:

SAFE HANDLING: Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. A full-face shield should be used if there is the potential for the product to enter the eye via processes such as mixing or splashes. Prevent small spills and leakage to avoid slip hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Always keep in containers made of the same material as the original one. Never use pressure to empty the container; the container is not a pressure vessel. Keep containers tightly closed when not in use. Prevent product from entering waterways, drains or sewers.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

SAFE STORAGE: Store in a dry, well ventilated, frost-free area away from direct sunlight, ignition sources, oxidising agents, strong acids and alkalis, foodstuffs, animal feeds and clothing. Keep containers closed when not in use. Always keep in containers made of the same material as the original one. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Protect the packaging from damage. When the packaged material is intact the product is deemed to be of limited hazard.

INCOMPATIBILITIES: Avoid oxidising agents, including strong acids, and strongly alkaline materials.

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SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 EXPOSURE CONTROL MEASURES:

EXPOSURE LIMIT VALUES:

Exposure standards for the product have not been established. However, in the operation of certain equipment or at elevated temperatures, vapours or mists are generated, the following Exposure Standard must be observed:

1,3-Benzenedimethanamine (Skin Absorption Notification)
Time Weighted Average (TWA): 0.1 mg/m³ (Peak Limitation)

8.2 BIOLOGICAL MONITORING: No data available.

8.3 CONTROL BANDING: No data available.

8.4 ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Use product in a well ventilated area. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. Special ventilation is not normally required. However, in enclosed spaces or at elevated temperatures, mists or vapours may be generated and exhaust ventilation may be required to maintain airborne concentration levels below the nominated exposure level and at an acceptable level that does not cause irritation.

8.5 INDIVIDUAL PROTECTION MEASURES:

EYE & FACE PROTECTION: Wear safety glasses/goggles to avoid eye contact. If when mixing or stirring the product there is the possibility of splashing, a full-face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

SKIN (HAND) PROTECTION: If there is the chance of skin contact with the material; wear gloves to provide hand protection. Nitrile rubber gloves are recommended.

SKIN (CLOTHING) PROTECTION: During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed prior to re-use.

RESPIRATORY PROTECTION: Use only in well-ventilated areas. During routine operation, a respirator is not required. If irritating mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

THERMAL PROTECTION: Not applicable.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Liquid.
ODOUR: Amine-like.
ODOUR THRESHOLD: No data available.
pH: Typically 12.
MELTING/FREEZING POINT: No data available.
INITIAL BOILING POINT: Typically >210°C.
BOILING RANGE (°C): No data available.
FLASHPOINT (°C): Typically >109°C (Closed Cup).
EVAPORATION RATE: No data available.
FLAMMABILITY LIMITS (%): No data available.
VAPOUR PRESSURE (kPa): No data available.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES - Continued

VAPOUR DENSITY:	No data available.
DENSITY (g/mL @ 20°C):	Typically 1.06.
SOLUBILITY IN WATER(g/L):	Partially soluble in water.
PARTITION COEFFICIENT:	No data available for n-octanol/water.
AUTO-IGNITION TEMP (°C):	No data available.
DECOMPOSITION TEMP (°C):	No data available.
VISCOSITY (Dynamic):	350 mPa.s (Room Temperature).
VISCOSITY (cSt @ 40°C):	No data available.

SECTION 10 – STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections.
- 10.2 CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**
Keep away from oxidising agents, including strong acids and strong alkalis.
Hazardous polymerisation does not occur.
- 10.4 CONDITIONS TO AVOID:** Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use.
- 10.5 INCOMPATIBLE MATERIALS:**
Avoid oxidising agents, strong acids and strong alkaline materials.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**
Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is a mixture and the manufacturer has supplied the following estimates for the product:

Acute Toxicity Estimate: Oral: 1093.4 mg/kg
Acute Toxicity Estimate: Dermal: 4096 mg/kg
Acute Toxicity Estimate: Inhalation (Vapours): 45.1 mg/L
Acute Toxicity Estimate: Inhalation (Gases): 18,432 mg/L
Acute Toxicity Estimate: Inhalation (Dusts and mists): 3.1 mg/L

Benzenemethanol

Oral - LD₅₀ (Rat): 1230 mg/kg
Dermal - LD₅₀ (Rabbit): 2000 mg/kg
Inhalation - LC₅₀ (Rat, dusts and mists, 4 hours): >4178 mg/l

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-

Oral - LD₅₀ (Rat): 1030 mg/kg
Dermal - LD₅₀ (Rabbit): 1840 mg/kg

1,3-Benzenedimethanamine

Oral - LD₅₀ (Rat): 930 mg/kg
Dermal - LD₅₀ (Rabbit): 2000 mg/kg
Inhalation - LC₅₀ (Rat, vapour, 4 hours): 2.4 mg/l

Phenol, 4-nonyl-, branched

Oral - LD₅₀ (Rat): 1300 mg/kg

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SECTION 11 – TOXICOLOGICAL INFORMATION - Continued

- 11.2 SWALLOWED:** This product may lead to severe irritation of the mouth and upper respiratory tract with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing. Ingestion could lead to severe gastrointestinal tract irritation with nausea, vomiting and potentially burns due to the high pH of the product. During normal usage ingestion should not be a means of exposure.
- 11.3 SKIN CORROSION / IRRITATION:** This product is rated by calculation as Causes severe skin burns. Symptoms may include itchiness, dryness or cracking, flushing, burning sensation, inflammation, erythema (redness), oedema (swelling) and in the worst-case scenario skin burns. Prolonged or repeated contact may cause defatting of the skin which may lead to dermatitis. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.
- 11.4 SERIOUS EYE DAMAGE / IRRITATION:** The product is rated by calculation as Causes severe eye damage. Eye contact may lead to severe burns, redness, pain, swelling, tearing and blurred vision, as well as permanent eye damage in a worst-case scenario. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye damage or irritation.
- 11.5 RESPIRATORY OR SKIN SENSITISATION:** This product is rated as a May cause an allergic skin reaction. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.
- 11.6 GERM CELL MUTAGENICITY:** This product is not expected to be mutagenic based on the available data and the known hazards of the components.
- 11.7 CARCINOGENICITY:** This product is not expected to be a carcinogen based on the available data and the known hazards of the components.
- 11.8 REPRODUCTIVE TOXICITY:** This product is not expected to be a reproductive hazard based on the available data and the known hazards of the components. The product contains a component that is rated as Suspected of damaging fertility or the unborn child, however this is present at below the cut-off concentration levels.
- 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) –**
- SINGLE EXPOSURE:** This product is not expected to cause organ damage from a single exposure, based on the available data and the known hazards of the components. This product is not expected to pose an irritation hazard at ambient temperature or under normal handling conditions. This product is rated as Harmful if inhaled. Not classified as a respiratory irritant, however inhalation of vapours (generated at elevated temperatures or in confined spaces) may cause irritation to the mouth, nose, throat and respiratory system with a burning sensation, pain, burns and inflammation in the nose and throat; there may also be coughing, wheezing, tightness in the chest or difficulty breathing.
- 11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) –**
- REPEATED EXPOSURE:** This product is not expected to cause organ damage from prolonged or repeated exposure, based on the available data and the known hazards of the components.

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SECTION 11 – TOXICOLOGICAL INFORMATION - Continued

11.11 ASPIRATION HAZARD: This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. However, it is corrosive and the manufacturer recommends that if swallowed, do NOT induce vomiting. If vomiting has occurred after ingestion the person should be observed to ensure that aspiration into the lungs has not occurred.

11.12 OTHER INFORMATION: No other information is available.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 ECOTOXICITY: The following Ecotoxicity data is applicable to components:

Benzenemethanol

LC₅₀ (fish, 96hr): 10 mg/L
EC₅₀ (Algae, 72hr): 770 mg/L
EC₅₀ (Algae, 96hr): 640 mg/L
EC₅₀ (Daphnia, 48hr): 230 mg/L
NOEC (Algae, 72hr): 310 mg/l
NOEC (Daphnia, 21 days): 51 mg/l

Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-

LC₅₀ (Fish, 96hr): 110 mg/L
EC₅₀ (Aquatic plants, 72hr): >50 mg/L
EC₅₀ (Crustaceans, 48hr): 388 mg/L
EC₅₀ (Daphnia, fresh water, 48hr): 17.4 mg/L
EC₅₀ (Algae, 72hr): 37 mg/L

1,3-Benzenedimethanamine

LC₅₀ (Fish, 96hr): >100 mg/L
EC₅₀ (Algae, 72hr): >10 - 100 mg/L
EC₅₀ (Daphnia, 48hr): >10 - 100 mg/L

Phenol, 4-nonyl-, branched

EC₅₀ (Algae - Skeletonema costatus, marine water, 72hr): 0.03 mg/L
EC₅₀ (Algae - Skeletonema costatus, marine water, 96hr): 0.027 mg/L
EC₅₀ (Crustaceans - Moina macrocopa, 48hr): 0.044 mg/L
LC₅₀ (Fish - Pleuronectes americanus - Larvae, marine water, 96hr): 17 µg/L
EC₁₀ (Algae - Skeletonema costatus, marine water, 96hr): 0.012 mg/L
NOEC (Crustaceans-Gammarus fossarum-Adult, fresh water, 21 days): 5 µg/L
NOEC (Fish-Pimephales promelas-Embryo, fresh water, 33 days): 7.4 µg/L

There is no data available for the product as a whole. Based upon calculated values, the overall product would be expected to be rated as Toxic to aquatic life with long lasting effects.

12.2 PERSISTENCE & DEGRADABILITY:

No persistence or biodegradability data is available for the product.

12.3 BIOACCUMULATIVE POTENTIAL:

No information is available.

12.4 MOBILITY IN SOIL:

No information is available.

12.5 OTHER ADVERSE EFFECTS:

Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. The product is partially miscible with water. The 2-Nonylphenol, branched component is a candidate in Europe for Endocrine Disrupting Properties for the environment.

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SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS:

PRODUCT: The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations. Do not pour leftover product down the drain.

CONTAINERS: Empty containers may contain residual product. They should be completely drained and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. Empty containers should be recycled wherever possible rather than being sent to landfill or incinerated.

SECTION 14 – TRANSPORT INFORMATION

This product is regulated for land, sea or air transportation.

PLEASE NOTE: A Limited Quantities package size of <1L applies to this product.

14.1 LAND (ADG Code):

UN NUMBER: 2735
UN PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. (Contains Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, 1,3-Benzenedimethanamine and Branched 4-nonyl-phenol)
TRANSPORT HAZARD CLASS(ES): 8
PACKAGING GROUP: II
ENVIRONMENTAL HAZARDS: Yes.
SPECIAL PRECAUTIONS FOR USER: 274.
HAZCHEM CODE: 2X

14.2 SEA (IMDG):

UN NUMBER: 2735
UN PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. Contains Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, 1,3-Benzenedimethanamine and Branched 4-nonyl-phenol)
TRANSPORT HAZARD CLASS(ES): 8
PACKAGING GROUP: II
ENVIRONMENTAL HAZARDS: Yes.
SPECIAL PRECAUTIONS FOR USER: 274.

14.3 AIR (IATA):

UN NUMBER: 2735
UN PROPER SHIPPING NAME: AMINES, LIQUID, CORROSIVE, N.O.S. Contains Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl-, 1,3-Benzenedimethanamine and Branched 4-nonyl-phenol)
TRANSPORT HAZARD CLASS(ES): 8
PACKAGING GROUP: II
ENVIRONMENTAL HAZARDS: Yes
SPECIAL PRECAUTIONS FOR USER: A3, A803.

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SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

APPLICABLE REGULATIONS:

POISON STANDARD:	Schedule 5 (S5).
AIIC:	All ingredients are on the AIIC.
MONTREAL PROTOCOL:	Not applicable to this product.
STOCKHOLM CONVENTION:	Not applicable to this product.
ROTTERDAM CONVENTION:	Not applicable to this product.
BASEL CONVENTION:	Not applicable to this product.
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):	Not applicable to this product.

OTHER REGULATORY INFORMATION:

GHS CLASSIFICATION HAZARD CLASS & CATEGORY AND HAZARD STATEMENT:

Acute Toxicity - Oral Category 4;	H302 - Harmful if swallowed.
Acute Toxicity - Dermal Category 4;	H312 - Harmful in contact with skin.
Skin Corrosion/Irritation Category 1B;	H314 - Causes severe skin burns and eye damage.
Sensitisation - Skin Category 1;	H317 - May cause an allergic skin reaction.
Eye Damage/Irritation Category 1;	H318 - Causes serious eye damage.
Eye Damage/Irritation Category 2A;	H319 - Causes serious eye irritation.
Acute Toxicity - Inhalation Category 4;	H332 - Harmful if inhaled.
Reproductive Toxicity - Category 2;	H361fd - Suspected of damaging fertility or the unborn child.
Acute Aquatic Toxicity Category 1;	H400 - Very toxic to aquatic life.
Chronic Aquatic Toxicity Category 1;	H410 - Very Toxic to aquatic life with long lasting effects.
Chronic Aquatic Toxicity Category 2;	H411 - Toxic to aquatic life with long lasting effects.
Chronic Aquatic Toxicity Category 3;	H412 - Harmful to aquatic life with long lasting effects.

HSNO APPROVAL NUMBER: HSR002658.

HSNO GROUP TITLE: Surface Coatings and Colourants (Corrosive) Group Standard 2020.

SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:

Date of SDS Preparation: 1st March 2023

Revision: 2.0

REVISION CHANGES: Five year review and update of SDS for compliance.

ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
HSE-WEL	Health and Safety Executive - Workplace Exposure Limit
EH40	EH40/2005 Workplace Exposure Limits
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission
AICIS	Australian Industrial Chemicals Introduction Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation

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SECTION 16 – ANY OTHER RELEVANT INFORMATION - Continued

AIIC	Australian Inventory of Industrial Chemicals
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
WHS	Work Health and Safety
PPE	Personal Protective Equipment.
LD ₅₀	Median Lethal Dose
LC ₅₀	Median Lethal Concentration
EC ₅₀	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time
ECHA	European Chemicals Agency
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
HCIS	Hazardous Chemical Information System
PBT	Persistent, Bioaccumulative and Toxic
vPvP	Very Persistent and Very Bioaccumulative

LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals
Annex I: OECD Test Guidelines for Studies Included in SIDS
Manual for the Assessment of Chemicals Chapter 2 Data Gathering
International Toxicity Testing Guidelines
Hazardous Chemical Information System (HCIS) - Guidance Material for Hazard Classifications
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Model Work Health and Safety Regulations.
Model Work Health and Safety Regulations - Transitional Principles
Workplace Exposure Standards for Airborne Contaminants
Australian Dangerous Goods Code 7th Edition
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations
Assigning a Hazardous Substance to a Group Standard
User Guide to the HSNO Thresholds and Classifications
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories
HSNO Control Regulations
Record of Group Standard Assignment
Labelling of Hazardous Substances Hazard and Precautionary Information
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996
Workplace Exposure Standards and Biological Exposure Indices
IMAP Human Health Tier II Assessment for Benzenemethanol CAS Number: 100-51-6
IMAP Human Health Tier II Assessment for Cyclohexanemethanamine, 5-amino-1,3,3-trimethyl- CAS Number: 2855-13-2
IMAP Human Health Tier II Assessment for Phenol, 4-nonyl-, branched CAS Number: 84852-15-3
AICIS Evaluation Statement [EVA00063] 14 January 2022: Chemicals unlikely to require further regulation to manage risks to environment including Benzenemethanol CAS Number: 100-56-6

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