

Safety Data Sheet



1. Identification

Product Name: Duraprime AEP Hardener
Other Names:
Recommended use: Primer for concrete, ceramics, glass and wood – part B
Supplier: Uroxsys Ltd
Street Address: 2 Stonedon Drive, East Tamaki, Auckland
Telephone Number: +64 9 2740808 (8.00am to 5.00pm, Monday to Friday)
Emergency Telephone: After hours phone CHEMCALL 0800 243622 (or +64 4 9179888)
National Poison Information Centre 0800 POISON (764766)
Date of issue 1st September 2022

2. Hazards identification

GHS classification of the substance/mixture:

Classified as Hazardous according to Hazardous Substances (Hazard Classification) Notice 2020
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020
Transport of Dangerous Goods.



Flammable liquid Category 4, Skin corrosion category 1B, Serious eye damage Category 1.

EPA Approval: HSR002659
Surface Coatings and Colourants (Corrosive, Combustible) Group Standard 2020
3.1D, 6.1E (Oral), 8.2B, 8.3A

Signal Word:

DANGER

Hazard Statements:

H227: Combustible liquid.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

Precautionary Statements – Prevention:

P102: Keep out of reach of children.
P103: Read label before use.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260: Do not breathe fume/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements – 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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position 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 CENTER or doctor/physician.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P363: Wash contaminated clothing before reuse.

Precautionary Statements - Storage

P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Precautionary Statements - Disposal

P501: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should reacted with appropriate quantity of resin and be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

3. Composition/information on ingredients

Material	CAS No	%
Amine adduct	111439-78-2	20 – 40
Diaminocyclohexane	694-83-7	20 – 40
2-methylpentamethylenediamine	15520-10-2	20 – 40
Ethylene glycol monobutyl ether	111-76-2	< 10
2,4,6-tris(dimethylaminomethyl) phenol	90-72-2	< 10
3-(Triethoxysilyl) propylamine	919-30-2	< 5

4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

Ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Notes to physician: Perforation of the gastrointestinal tract may occur 2-4 days after ingestion.

5. Fire-fighting measures

Hazards from combustion: Corrosive substance

Fire-fighting advice: On burning will emit toxic fumes including those of oxides of nitrogen and oxides of carbon. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.

Suitable Extinguishing Media: Foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem Code 3X

6. Accidental release measures

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods for containment & clean up: Wear protective equipment to prevent skin & eye contact. Wipe up with rag or absorbent paper.

For large spills: Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Contain - prevent runoff into drains and waterways. Use absorbent material (sand or earth). Collect and seal in properly labelled containers for disposal.

7. Handling and storage

Handling advice: Avoid skin and eye contact and breathing in vapour. Keep out of reach of children.

Storage advice: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

Occupational Exposure Limits: Ethylene glycol monobutyl ether: TWA 25 ppm, 121 mg/m³

Engineering Control Measures: Ensure ventilation is adequate.

Personal Protective Equipment: Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Physical state:	Clear amber liquid
Solubility in water:	Negligible
Specific Gravity:	1
Flash Point (°C):	68°C
Flammability Limits (%):	1.1 – 10.6
Boiling Point/Range (°C):	>100°C
Colour	Amber

10. Stability and reactivity

Stability:	Stable at normal temperatures and storage conditions.
Incompatible materials:	Incompatible with strong acids and oxidizing agents.

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	May cause severe burning of the mouth and upper gastrointestinal tract with pain, bleeding, vomiting, diarrhoea and decreased blood pressure.
Eye contact:	May cause severe burning of the mouth and upper gastrointestinal tract with pain, bleeding, vomiting, diarrhoea and decreased blood pressure.
Skin contact:	Causes burns or ulceration. May cause allergic skin rashes.
Inhalation:	Inhalational overexposure may cause nose, throat, or lung irritation.
Long Term Effects:	Prolonged or repeated exposure may cause skin sensitization or other allergic response.
Toxicological Data:	No LD50 data available for the product. However, for constituent 2-methylpentamethylenediamine: Dermal LD50 (rabbit) 1870 mg/kg, Inhalation LC50 (rat) 4.9 mg/l/1h, Oral LD50 (rat) 1170 mg/kg Diaminocyclohexane: Dermal LD50 (rat) 1870 mg/kg, Inhalation LC50 (rat) 1.23 mg/l/4h, Oral LD50 (rat) 1170 mg/kg Ethylene glycol monobutyl ether: Oral LD50 (guinea pig) 1414 mg/kg, Dermal LD50 (guinea pig) >2000 mg/kg, LC50 (rat) 2.174 mg/lt

12. Ecological information

Avoid contaminating waterways.

For constituent:

2-methylpentamethylenediamine

Algae EC50 >100mg/l, 72 hours, Crustacea EC50 19.8 mg/l 48 hours, Fish EC50 1825 mg/l

Diaminocyclohexane

Algae EC10 118mg/l, 72 hours, Freshwater Invertebrate EC10 4.16 mg/l, Daphnia EC50 3.15mg/l, 48 hours, Fathead minnow (*Pimephales promelas*) EC50 1825 ppm, 96 hours

Ethylene glycol monobutyl ether:

Acute toxicity to fish LC50/EC50/EL50/LL50 >100 mg/L (in the most sensitive species tested)

LC50, *Oncorhynchus mykiss* (rainbow trout), static test, 96 Hour, 1,474 mg/l, Acute toxicity to aquatic invertebrates EC50, *Daphnia magna* (Water flea), static test, 48 Hour, 1,550 mg/l, Acute toxicity to algae/aquatic plants EbC50, *Pseudokirchneriella subcapitata* (green algae), static test, 72 Hour, Biomass, 911 mg/l, Toxicity to bacteria IC50, Bacteria, Growth inhibition, > 1,000 mg/l Chronic toxicity to fish NOEC, *Danio rerio* (zebra fish), semi-static test, 21 d, > 100 mg/

13. Disposal considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container: Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be reacted with appropriate quantity of resin and brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

14. Transport information



Road and Rail Transport

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2020 Transport of Dangerous Goods.

UN No: 2735

Class-primary 8 Corrosive

Packing Group: II

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, NOS (diaminocyclohexane & methylpentamethylenediamine)

Hazchem Code: 3X

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 2735

Class-primary: 8 Corrosive

Packing Group: II

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, NOS
(diaminocyclohexane & methylpentamethylenediamine)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 2735

Class-primary: 8 Corrosive

Packing Group: II

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, NOS
(diaminocyclohexane & methylpentamethylenediamine)

15. Regulatory information

EPA Approval: HSR002659 Surface Coatings and Colourants (Corrosive, Combustible) Group Standard 2020

16. Other information

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Uroxsys Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact Uroxsys Limited at the contact details on page 1.

While Uroxsys Ltd believes that the information contained herein is based on data considered accurate, no warranty or representation is expressed or implied for which Uroxsys Ltd assumes legal responsibility.

This version replaces all previous versions.

END OF SDS