DURABLE® CONCRETE COATINGS WHOLESALE EPOXY SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Identifier

Product Name	**EPOXY RESIN ACCELERATOR ES80®**
Synonyms	EPOXY CURING ADDITIVE ES80 • EPOXY CURING CATALYST ES80

1.2 Uses and uses advised against

Uses	EPOXY CURING ACCELERATOR

1.3 Details of the Supplier of the Product

Supplier Name	DURABLE CONCRETE COATINGS PTY LTD
ABN	48 602 499 052
Address	10 Lapis Street, Underwood, QLD, 4119, Australia
Telephone	(07) 3808 2769
Email	sales@durableconcretecoatings.com.au
Website	http://www.durableconcretecoatings.com.au

1.4 Emergency Telephone Numbers

Poison Information Centre	13 11 26

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS Classifications

Flammable Liquids: Category 2
Serious Eye Damage/Eye Irritation: Category 2A
Specific Target Organ Toxicity (Single Exposure): Category 3

2.2 Label Elements

Signal Word **DANGER**

Pictograms

Hazard Statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

General Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Prevention Statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements

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 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.
P312	Call a POISON CENTRE or doctor if you feel unwell.

Storage Statements

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal Statements

P501 Dispose of contents and container in accordance with local regulations.

2.3 Other Hazards

No information provided.

3. COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	EC Number	Content
ETHANOL	64-17-5	200-578-6	10 - 60%
NITRIC ACID CALCIUM SALT	10124-37-5	233-332-1	10 - 60%
PROPRIETARY NON HAZARDOUS INGREDIENTS	Not Available	Not Available	Remainder

Ingredient Notes Ingredients (not listed above) are considered trade secret and determined not to be hazardous, below cut off limits, or do not affect classifications.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Keep at rest in a comfortable position for breathing. If symptoms persist, seek medical advice.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities Eye wash facilities and safety shower are recommended.

4.2 Most important symptoms and effects, both acute and delayed

See section 11 for more detailed information on health effects and symptoms.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Dry agent, carbon dioxide, foam or water fog. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours may form explosive mixtures with air. Hazardous combustion products may include carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Evacuate area and contact emergency services. Firefighters should wear full protective equipment including self contained breathing apparatus. Use water fog to cool intact containers and nearby storage areas.

5.4 Hazchem code

3Y

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel.

Ventilate area where possible. Contact emergency services where appropriate.

6.2 Environmental precautions
Prevent product from entering drains and waterways.

6.3 Methods of cleaning up
Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

6.4 Reference to other sections
See sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

7.1 Precaution for safe handling
Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Do not eat, drink or smoke in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities
Store tightly sealed in a cool, dry, well ventilated place away from heat, hot surfaces, sparks, open flames and other ignition sources. Keep out of direct sunlight. Keep away from incompatible materials and foodstuffs. Keep container upright and securely closed when not in use. Ensure containers are correctly labelled and protected from physical damage. Check regularly for leaks or spills.

7.3 Specific end uses
Epoxy resin accelerator. For industrial use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Exposure Standards
Workplace exposure standards apply for ethanol. Maintain exposure levels below the relevant national exposure standards.

Biological Limits
No biological limit values have been established for this product.

8.2 Exposure controls

Engineering controls	Use in a well ventilated area. Where vapour accumulation may occur, provide adequate local exhaust ventilation to maintain vapour concentrations below exposure standards.
PPE	
Eye/Face	Wear safety goggles or splash proof eye protection.
Hands	Wear chemical resistant gloves such as nitrile or viton.
Body	Wear suitable protective clothing. If there is a risk of splashing, wear protective coveralls.
Respiratory	If ventilation is inadequate, wear an organic vapour respirator. Selection of respiratory protection should be based on exposure levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	COLOURLESS LIQUID
Odour	CHARACTERISTIC ODOUR
Flammability	FLAMMABLE
Flash Point	NOT AVAILABLE
Boiling Point	NOT AVAILABLE
Melting Point	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour Density	NOT AVAILABLE
Specific Gravity	NOT AVAILABLE
Solubility (water)	NOT AVAILABLE

Vapour Pressure	NOT AVAILABLE
Upper Explosion Limit	NOT AVAILABLE
Lower Explosion Limit	NOT AVAILABLE
Partition Coefficient	NOT AVAILABLE
Autoignition Temperature	NOT AVAILABLE
Decomposition Temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive Properties	NOT AVAILABLE
Oxidising Properties	NOT AVAILABLE
Odour Threshold	NOT AVAILABLE
VOC	NOT AVAILABLE

10. STABILITY AND REACTIVITY

10.1 Reactivity
No hazardous reactivity under normal conditions of use.

10.2 Chemical stability
Stable under recommended conditions of storage and handling.

10.3 Possibility of hazardous reactions
Hazardous reactions are not expected to occur.

10.4 Conditions to avoid
Avoid heat, hot surfaces, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Strong oxidising agents.

10.6 Hazardous decomposition products
Hazardous decomposition products may include carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified as acutely toxic.
Skin	Contact with skin may cause irritation.
Eye	Causes serious eye irritation.
Sensitisation	Not classified as a skin or respiratory sensitiser.
Mutagenicity	Not classified as a mutagen.
Carcinogenicity	Not classified as a carcinogen.
Reproductive	Not classified as a reproductive toxin.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	Not classified as causing organ damage from repeated exposure.
Aspiration	Not classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal	Dispose of contents in accordance with local, state and federal regulations. Small quantities may be absorbed with inert material such as sand or vermiculite and disposed of at an approved waste facility. Do not discharge into drains or waterways. Contact a licensed waste contractor for disposal of larger quantities.
Container disposal	Empty containers should be drained and disposed of in accordance with local regulations. Containers may retain product residue and vapours and should not be reused.
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG/IMO)	AIR TRANSPORT (IATA/ICAO)
14.1 UN Number	1993	1993	1993
14.2 Proper Shipping Name	FLAMMABLE LIQUID, N.O.S (contains ethanol)	FLAMMABLE LIQUID, N.O.S (contains ethanol)	FLAMMABLE LIQUID, N.O.S (contains ethanol)
14.3 Transport Hazard Class	3	3	3
14.4 Packing Group	III	III	III

14.5 Environmental hazards

Not a marine pollutant.

14.6 Special precautions for user

Hazchem code	3Y
GTEPG	3C1
EMS	F-E, S-E

15. REGULATORY INFORMATION

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

Poison schedule	A posion schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisions (SUSMP).
Classifications	Safework Australia criteria are based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
Inventory Listings	**AUSTRALIA: AICS (Australian Inventory of Chemical Substances)** All components are listed on AICS, or are exempt.

16. OTHER INFORMATION

Additional information

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS	Central Nervous System

EC No.	European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Globally Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m³	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average

Report status

This document has been compiled by DCC in good faith from the best information available at the time of issue. It is based on the present level of research and on behalf of the manufacturer, importer or supplier of the raw materials, or products and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to DCC by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

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[END OF SDS]