Section 1. Identification.

Product identifier	ACE Epoxy Mortar Part A
Recommended use and restrictions on use	Part A of a two component epoxy mortar/adhesive for civil engineering use, concrete repair and corrosion control.
Details of manufacturer	Australian Construction Epoxies 46 Chetwynd St., Loganholme Qld 4129. Australia +61 7 3806 1944 www.ace-epoxy.com.au
Emergency Phone Number	Poisons Information Line 13 11 26

Section 2. Hazard(s) Identification.

Classification of the hazardous chemical
Skin Irritant - Category 2;
Eye Irritant - Category 2

Signal Word	Hazard Statements	Precautionary Statements
Warning	Causes skin irritation	Wear protective gloves IF ON SKIN. Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse.
Warning	Causes serious eye irritation	Wear eye protection. IF IN EYES – Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
Warning	May cause an allergic skin reaction.	If skin irritation or rash occurs: Seek medical advice.

This product contains crystalline silica. No exposure to silica dust is likely with normal use of this product. Silica dust may be released by grinding or machining of the cured product. Use an approved dust respirator when grinding or machining the cured product. Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer). Repeated exposure to respirable crystalline silica dust may lead to silicosis or other serious delayed lung injury.

Section 3. Composition and Information on Ingredients.

Name	Cas No.	Proportion
Bisphenol A Epoxy Resin	25068-38-6	30-60

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4. First Aid Measures.

Ingestion	**IF SWALLOWED**: Call a POISON CENTRE or doctor/physician if you feel unwell.
Eye Contact	**IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Seek medical advice/attention.
Skin Contact	**IF ON SKIN**: Wash with plenty of soap and water. Citrus based hand cleaner with pumice is useful. If skin irritation occurs: Seek medical advice/attention. Take off contaminated clothing and wash before reuse.
Inhalation	Take affected persons into the open air and position comfortably
Note to Physician	No particular measures are known – treat according to symptoms.

Section 5. Fire Fighting Measures.

Extinguishing Media	CO2, extinguishing powder or water fog or fine spray. Fight larger fires with water fog or fine spray or alcohol-resistant foam.
Specific Hazards	Formation of toxic gases is possible during heating or in case of fire.
Fire Fighters	Put on breathing apparatus if material is involved in fire.
Hazchem Code	2[Y]E

Section 6. Accidental Release Measures.

	Wear protective equipment to prevent skin and eye contamination. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per state or local council regulations.

Section 7. Handling, Storage and Safe Use.

Handling	The usual precautionary measures for handling chemicals must be observed. Ensure good ventilation/exhaust at the workplace.
Storage	Store only in original containers. Store away from food stuffs. Keep container tightly sealed.

Section 8. Exposure Controls.

Exposure Limits	No exposure standards have been set for this product.
Engineering Controls	This product does not require specific ventilation provision when used at room temperature.
Personal Protection	Wear protective gloves. Wear eye protection. Do not eat, drink or smoke when using this product. Suggested glove materials include (best to worst) Butyl rubber, Eval, Nitrile, and Neoprene.
Preparations & use of product.	Heating to reduce viscosity in cold weather with a hot air blower or flame is discouraged, due to increased vaporisation which could occur. This product contains crystalline silica. No exposure to silica dust is likely with normal use of this product. Silica dust may be released by grinding or machining of the cured product. Use an approved dust respirator when grinding or machining the cured product. Crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer). Repeated exposure to respirable crystalline silica dust may lead to silicosis or other serious delayed lung injury.

Section 9. Physical and Chemical properties.

	Appearance	Black Paste
	Odour	Very little
	Specific Gravity	1.4
	pH	Not applicable
	Boiling Point and boiling range (ºC)	>200°C
	Flash Point (ºC)	>142°C DIN 51758 (Pensky-Martens Closed Cup)
	Upper/lower flammability or explosive limits	Not applicable
	Vapour pressure (20ºC)	0.000,000,046Pa @ 25°C 2Pa @160°C
	Solubility	Low solubility in water
	Partition coefficient n-octanol/water	3.2 Estimated
	Autognition Temperature (ºC)	Not applicable
	Viscosity	Thick Paste
	%Volatile by Volume	0.0%
	Dustiness	Product is a paste

Section 10. Stability and Reactivity.

Stability	Stable at room temperature and pressure.
Conditions to Avoid	Sources of heat and ignition, open flames.
Incompatible Materials	Oxidising agents, acids, amines, caustic soda, mercaptans, combustible materials and sources of ignition.
Hazardous Decomposition Products	Reacts exothermically with amines, mercaptans and lewis acids at room temperature.

Section 11. Toxicological Information.

	No adverse health effects are expected if used in accordance with this safety data sheet and the product label.	
Acute Effects	Ingestion	LD50 (rat) :>2000mg/kg
	Eye	Moderate
	Skin	LD50 (rabbit) >2000mg/kg
	Inhalation	Moderate.
Long term Effects	If skin irritation or rash occurs: Seek medical advice/attention. Has caused allergic skin reactions in humans. See note regarding crystalline silica under section 8, Exposure Controls.	

Section 12. Ecological Information.

Eco toxicity	**Bisphenol A Epoxy Resin**	
	ErC50 Algae 72Hr	11mg/L
	EC50 Daphnia magna 48Hr	1.8mg/L
	LC50 Oncorhynchus mykiss 96Hr	2 mg/L
	Persistence and Degradability	Material is not readily biodegradable according to OECD guidelines.
	Bio accumulative Potential	Bioconcentration potential is low to moderate
	Mobility in Soil	Expected to be relatively immobile in soil.

Section 13. Disposal Considerations.

	Dispose of all empty containers as per State and Council Regulations. Do not burn empty containers or product. Do not bury product or empty containers. Do not dispose of near waterways, vegetation and tree roots. Excess product can be mixed with an equal amount of part B and disposed of as non hazardous solid waste when cured.

Section 14. Transport Information.

	UN. No.	Not allocated
	Proper Shipping Name	Not applicable
	Class	Not classified as a dangerous substance
	Subsidiary Risk	Nil
	Packaging Group	Not applicable
	Hazchem Code	2[Y]E
	EPG	Not applicable
	Segregation	Not applicable
	For road, marine and air transport this product is not classified as dangerous goods within the context of National and International Transport Regulation.	

Section 15. Regulatory Information.

Section 16. Other.

	Date of Preparation.	26 September 2013
	Date of Revision.	14 June 2016
	Reason for Issue	Unify Versions Fix typos

Preparation of Safety Data Sheets for Hazardous Chemicals. Code of Practice 2011 Workplace Health and Safety Queensland
Queensland Work Health and Safety Regulation 2011
Workplace Exposure Standards 2011, Safework Australia
ADG7 October 2011 Section 2.9.3.3
GHS 2013 5th Edition Health effects 03e_part3
GHS 2013 5th Edition Environmental Hazards 04e_part4

Abbreviations

ADG7	Australian Code for the Transport of Dangerous goods by Road & Rail, 7th Edition	mg	milligram
C.A.S.	Chemical Abstracts Service Number	Mg/m3	Milligram per cubic metre
EC50	Half Maximal Effective Concentration	No mort	No mortality.
EPG	Emergency procedure guide	N.O.S.	Not Otherwise Specified
ErC50	Means EC50 in terms of reduction of growth rate	NOEC	No observable effect concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals	ppm	Parts per million
kg	Kilogram	PVC	Polyvinyl Chloride
L	Litre	Sen	Sensitizer
LC50	Lethal concentration for 50% of the test population	Sk	Sk absorption is significant.
LD50	Lethal dose for 50% of the test population	STEL	Short Term Exposure Limit
LDLo	Least Lethal Dose Observed	TWA	Time Weighted Average
LOEC	Lowest Observable Effective Concentration		