GeckoArc
Abrasion Resistant Coatings

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G-ARC LC Liquid Ceramic Part A

Material Safety Data Sheet

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA (NOHSC)

1. Identification of the preparation and the Company

1.1 Identification of the preparation
Product name G-ARC LC Liquid Ceramic Part A
Product code: G-ARC LC
Intended use: Base component of a ceramic filled coating.

1.2 Identification of the Company

Manufacturer / Supplier

Unit 4, 32 Buckingham Drive
Wangara
WA 6065

GECKOARC

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Emergency phone number. Poisons Information Centre. Phone (Australia 13 1126; New Zealand 03 4747000).

2. Hazard Identification

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS
The product is an epoxy base component. It is classified as hazardous according to the criteria of Worksafe Australia (NOHSC). **Classification: Xi-Irritant**. It is not dangerous goods.

Risk Phrases
R43 May cause sensitisation by skin contact

Safety Phrases
S24 Avoid contact with the skin.
S37 Wear suitable gloves.

3. Composition/Information on ingredients

Name	CAS Number	Concentration	Classification
Epoxy resin	25085-99-0	<20%	None
Alkyl (C12-14) glycidyl ether	68609-97-2	<5%	Xi R43
Graded alumina	1344-28-1	balance	None

4. First-aid measures

EYES: If in eyes, hold eyelids apart and flush the eye continuously with running water. Seek URGENT medical attention and maintain flooding of the eye during the interim. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

G-ARC LC Liquid Ceramic Part A

SKIN Flood affected area with water first, then remove contaminated clothing and wash the skin thoroughly with soap and water. Use water alone, if soap is unavailable. Seek medical attention if any irritation persists or develops later. Launder affected clothing before re-use.
INGESTION: Rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek URGENT medical attention.
INHALATION: Avoid becoming a casualty. DO NOT enter a hazardous area without adequate breathing protection. Remove affected persons to fresh air. Keep warm and at rest. If breathing is laboured, hold in a half upright position (this assists respiration). Apply artificial respiration if breathing has stopped. Seek URGENT medical attention for all but the most minor cases of over-exposure.
ADVICE TO DOCTOR
Treat symptomatically.

5. Fire-fighting measures

Combustible, may burn if involved in a fire situation but will not ignite readily. Heating produces toxic decomposition fumes. Wear self contained breathing apparatus. Spray affected containers with water, from a protected position. Extinguish using foam, powder (bicarbonate or ammonium phosphate based) or carbon dioxide. Do not use water jets. If possible, contain any run-off for later collection and controlled disposal.

6. Accidental release measures

Remove unnecessary personnel from the affected area. If it is possible to do so, increase the ventilation. Wear protective equipment as specified for handling. Cover with an absorbent such as earth, sand or a commercial oil absorber. Sweep up and collect in sealable containers. Remove to a safe place. Check local regulations for an appropriate disposal method.

7. Handling and storage

Incompatible with strong oxidising agents. Store in a cool, dry, well ventilated area, away from oxidising agents, foodstuffs and clothing and out of direct sunlight. Keep containers securely sealed when not in use and protected against physical damage. Inspect regularly for damage or leaks. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues.

8. Exposure controls/personal protection.

EXPOSURE STANDARDS

Exposure Standards have not been allocated to this product nor any of its ingredients.

Exposure standards represent airborne concentrations that, according to current knowledge, should neither impair the health of nor cause undue discomfort to nearly all workers. Additionally, the exposure standards are believed to guard against narcosis or irritation that could precipitate industrial accidents. Exposure standards do not represent a 'no-effect' level, and are best used to assess the quality of the working environment and indicate where control measures are required.

ENGINEERING CONTROLS
Ventilation should be sufficient to maintain vapour levels below the appropriate exposure standards for Part B. Local exhaust ventilation is not normally necessary but should be considered if the product is used in poorly ventilated or very confined spaces.
PERSONAL PROTECTIVE EQUIPMENT

G-ARC LC Liquid Ceramic Part A

Protective equipment requirements are based on Part A and Part B requirements.
Wear tightly fitting chemical resistant safety goggles, gloves or gauntlets and overalls. Respiratory protection is unlikely to be required if the product is used in a well ventilated area but a respirator fitted with a type A1 filter or air supplied breathing apparatus may be required, if ventilation is insufficient to maintain vapour levels below the exposure standard.

9. Physical and chemical properties

Appearance	Paste
Odour	Faint
Colour	**grey**
Solubility	Immiscible or very difficult to mix
Melting point	Not determined
Boiling point	>200°C
Flash point	Not applicable
Explosive limits	Not applicable
Vapour pressure	<1.0 mmHg
Specific gravity	2.3

10. Stability and reactivity

Non flammable but will decompose if heated strongly and may give rise to toxic fumes. Incompatible with strong oxidising agents

11. Toxicological information

HEALTH HAZARDS ACUTE
INGESTION: Irritating to mucous membranes. Ingestion may cause abdominal spasm, nausea and vomiting as well as symptoms similar to those for inhalation.
EYE: Irritating to the eyes, brief contact may cause permanent damage to the eyes.
SKIN: Irritating. Prolonged or repeated skin contact may result in sensitisation.
INHALATION: Product has very low volatility but if generated, vapours are irritating to the respiratory system.
HEALTH HAZARDS CHRONIC
Inhalation, ingestion and skin contact are the routes of entry into the body. Product may cause sensitisation by skin contact.

12. Ecological information

Do not allow to contaminate waterways, sewers, soil or vegetation. Toxic to aquatic life forms. Is expected to sink in water and have a very slow rate of dispersal.

13. Disposal considerations

Check local regulations for appropriate disposal method. Disposal to approved land-fill or by controlled incineration is normally acceptable. Product and container must be disposed as hazardous waste.

14. Transport information

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This product is not a Dangerous Good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code).

UN Number:	Not applicable
Proper shipping name:	Not applicable
DG Class:	None
Hazchem code:	Not applicable
Packing group:	Not applicable

15. Regulatory information

Product is a Schedule 5 Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16. Further information

To the best of our knowledge, this MSDS summarizes the health and safety hazards, which may be posed by the product. However, GECKOARC Pty Ltd makes no representation with regard to the completeness or accuracy of the information or of any recommendations contained in this data sheet, and it accepts no responsibility for loss or damage whatsoever resulting from the use of, or reliance upon, the information and any recommendations herein.

Date of Preparation: 09/04/2019

REFERENCES

1. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)]
2. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] and subsequent amendments
3. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), 6th Edition, 1998
4. Standard for the Uniform Scheduling of Drugs and Poisons No. 20, June 2005

ABBREVIATIONS

LC50	Lethal dose for 50% of test population, by inhalation.
LDLo	Lowest documented lethal dose
LD50	Lethal dose for 50% of test population, by ingestion or skin contact
TDLo	Lowest published toxic dose
TWA	Time Weighted Average

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