

Infosafe No™ LPYKZ	Issue Date : June 2014	ISSUED by PARCHEMC
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Product Name : **GALVANODE DAS ANODE**

Classified as hazardous

1. Identification

GHS Product Identifier	GALVANODE DAS ANODE
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Embedded Zinc Anode, which acts to prevent corrosion of reinforcing steel in concrete
Other Information	<p>This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

Classification of the substance or mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Skin Corrosion/Irritation: Category 1 Eye Damage/Irritation: Category 1</p>
Signal Word (s)	Danger
Hazard Statement (s)	H314 Causes severe skin burns and eye damage.
Pictogram (s)	Corrosion



Precautionary statement – Prevention	<p>P260 Do not breathe dust.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/eye protection/face protection.</p>
Precautionary statement – Response	<p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

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Supplemental information The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations. GHS classification: Hazardous to the Aquatic Environment - Acute Hazard: Category 1, Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1. Hazard statement: H410. Precautionary statement: P273, P391. Pictogram: Environment.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Zinc	7440-66-6	50-80 %
	Lithium Hydroxide Monohydrate	1310-66-3	10-40 %

4. First-aid measures

Inhalation Not considered a potential route of exposure. However, if inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion Unlikely due to form of product. However, if ingested, do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

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

First Aid Facilities Eyewash, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other Information For advice in an emergency, contact a Poisons Information Centre (Phone 131 126 in Australia) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Foam, dry chemical powder, carbon dioxide, water spray or water fog.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including zinc and lithium hydroxide.

Specific hazards arising from the chemical Not available

Hazchem Code 2X

Decomposition Temp. Not available

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe dust. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Pick up material and then transfer material to suitable containers. Wash surfaces well with soap and water. Seal all wastes in labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

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Precautions for Safe Handling	Corrosive solid. Attacks skin and eyes. Causes burns. Avoid breathing in dust. Wear suitable protective clothing, gloves and eye/face protection when using. Use in designated areas with adequate ventilation. Keep containers tightly closed. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
Conditions for safe storage, including any incompatibilities	Corrosive. Store in a cool dry well-ventilated area. Store away from acids and water. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Store in original packages as approved by manufacturer. Ensure that storage conditions comply with applicable local and national regulations. For information on the design of the storeroom, reference should be made to Australian Standard AS 3780 The storage and handling of corrosive substances.

8. Exposure controls/personal protection

Occupational exposure limit values	No exposure value assigned for this material by Safe Work, Australia.
Biological Limit Values	No biological limit allocated.
Appropriate engineering controls	Not required under normal conditions of use. Use in a well ventilated area. Do not create dusts.
Respiratory Protection	Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS/NZS 1716 approved particulate/dust filter respirator; however final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	The use of safety glasses with full face shield protection is recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear impervious gloves such as rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.
Body Protection	Suitable work wear, e.g. cotton overalls buttoned at neck and wrist should be worn. When large quantities are handled the use of plastic aprons is recommended.

9. Physical and chemical properties

Appearance	Silver bar
Colour	Silver
Odour	Odourless
Decomposition Temperature	Not available
Melting Point	419°C
Boiling Point	Not available
Solubility in Water	10% by weight at 25°C
Specific Gravity	Not available
pH	>12
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable

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Odour Threshold	Not available
Viscosity	Not applicable
Volatile Component	Not applicable
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Non-flammable
Auto-Ignition Temperature	460°C
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable
Explosion Properties	Not explosive
Oxidising Properties	Not an oxidiser

10. Stability and reactivity

Reactivity	Will react with incompatible materials.
Chemical Stability	Stable under normal conditions of use and storage.
Conditions to Avoid	Dust accumulation. Extremes of temperature and moisture.
Incompatible Materials	Strong acids and water.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including zinc and lithium hydroxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data available for this material. The available acute toxicity data for the ingredients is given below.
Acute Toxicity - Oral	Lithium hydroxide anhydrous LD50 (rat): 210mg/kg
Acute Toxicity - Inhalation	Lithium hydroxide monohydrate LC50 (rat): >6.15mg/l
Ingestion	Ingestion unlikely due to form of product. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
Inhalation	Dust generated will cause irritation with possible burns to the mucous membrane and upper airways. Symptoms may include coughing, lesions of the nasal septum, severe pain and may lead to permanent tissue scarring.
Skin	Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
Eye	Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.

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STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	Very toxic to aquatic life with long lasting effects. Hydroxyl ion may affect the pH of the water.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.
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14. Transport information

Transport Information	<p>Road and Rail Transport: This material is classified as Dangerous Goods Class 8 Corrosive Substances according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Class 8 Dangerous Goods are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none">- Class 1, Explosives- Division 4.3, Dangerous When Wet Substances- Division 5.1, Oxidising substances- Division 5.2, Organic Peroxides- Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids- Class 7, Radioactive Substances <p>and are incompatible with food and food packaging in any quantity. Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.</p> <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No.: 1759 Proper Shipping Name: CORROSIVE SOLID, N.O.S. (Contains Lithium hydroxide) (Zinc) MARINE POLLUTANT Class: 8 Packaging Group: III EMS No.: F-A, S-B Special Provision(s): 223, 274</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. UN No.: 1759 Proper Shipping Name: CORROSIVE SOLID, N.O.S. (Contains Lithium hydroxide) Class: 8 Packaging Group: III Label: Corrosive Packaging Instructions (passenger & cargo): 860 Packaging Instructions (cargo only): 864</p>
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U.N. Number	Special Provision(s): A3 A803 1759
UN proper shipping name	CORROSIVE SOLID, N.O.S. - (Contains Lithium hydroxide)
Transport hazard class(es)	8
Hazchem Code	2X
Packing Group	III
EPG Number	8A2
IERG Number	37
IMDG Marine pollutant	Yes

15. Regulatory information

Regulatory Information	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	Not Scheduled
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: June 2014 Supersedes: November 2009
Literature References	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals.
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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