MATERIAL SAFETY DATA SHEET
ALOX / Reinforcement-Rebuild Material

NON-HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA (NOHSC)

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Identification of Material

Product name: ALOX / Reinforcement-Rebuild Material
Product code:
Intended use: Slip Resistant Grit
Chemical Name: Inorganic Compound – Aluminium Oxide

Identification of the Company

Manufacturer / Supplier: SHIMICOAT Pty Ltd, 9a Morse Road, BIBRA LAKE WA 6163
Phone: (+61) (08) 9434 3302
E-mail: info@shimi.com.au
Website: www.shimi.com.au
Emergency phone number: Poisons Information Centre
Phone (Australia 13 1126; New Zealand 03 4747000)

Additional Information:
It is the user's responsibility to determine the suitability of this product for their applications and their methods of use.

Other Information:
THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT SHIMICOAT SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS AVAILABLE ON OUR WEBSITE, SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST BY EMAIL OR POST.

2. HAZARD IDENTIFICATION

NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOOD.
Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Inhalation (Category 4), H332
For the full text of the H-Statements mentioned in this Section, see Section 16. 2.2
GHS Label elements, including precautionary statements
Pictogram

Signal word: Warning
Hazard statement(s)
H332: Harmful if inhaled.
Precautionary statement(s)
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P271 Use only outdoors or in a well-ventilated area.
P304 + P340 + P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS Number	Concentration
Inorganic Oxide Compound Granular	1344-28-1	>90%
Ingredients determined to be non-hazardous	N/A	Balance

4. FIRST AID MEASURES

Description of first aid measures

General advice
Move out of dangerous area.
If inhaled: If breathed in, Move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact: Wash off with soap and plenty of water.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling
Indication of any immediate medical attention and special treatment needed: No data available

5. FIREFIGHTING MEASURES

Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture
No data available
Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
Further information
Do not use halocarbon extinguishers

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment.
ENVIRONMENTAL PRECAUTIONS: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.
CLEAN-UP PROCEDURES: In case of minor spills, contain spillage. Clean up all spills immediately. Avoid contact with eyes and skin. Avoid breathing vapours. Wear protective clothing, thick gloves, safety glasses and breathing apparatus. Contain and absorb spill with sand, Polypropylene fiber products, Polyethylene fiber products. Remove residual with soap and hot water. Collect in suitable and properly labelled containers. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. In case of major spills, contain spillage. Evacuate personnel and move them upwind. Alert fire brigade and tell them the location and nature of the hazard. Wear protective equipment including breathing apparatus.

7. HANDLING AND STORAGE

HANDLING PROCEDURES: Remove all contaminated clothing and avoid contact with eyes and skin. Avoid all personal contact including inhalation. Wear protective clothing. Use in a well-ventilated area. Prevent concentration in hollows and sumps. Wash thoroughly after handling. Avoid use of electric band heaters. Failures of electric band heaters have been reported to cause drums of liquid epoxy resin to explode and catch fire. Application of a direct flame to a container of liquid epoxy resin can also cause explosion and/or fire.
SUITABLE CONTAINERS: Material can be stored in metal can or drum. Packing should be done as recommended by manufacturer. Containers should be clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY: Avoid reaction with amines, mercaptans, strong acids and oxidising agents. May form unstable peroxides on storage in air, light, sunlight, UV light or other ionising radiation, trace metals – inhibitor should be maintained at adequate levels. May polymerise in contact with heat, organic and inorganic free radical producing initiators. May polymerise with evolution of heat in contact with oxidisers, strong acids, bases and amines. React violently with strong oxidisers, permanganates, peroxides, acyl halides, alkalis, ammonium persulfate, bromine dioxide.
STORAGE REQUIREMENTS: Store in original containers and keep containers tightly sealed and protected against physical damage. Store in a cool, dry, well-ventilated area, away from sources of ignition, oxidising agents, foodstuffs and clothing and out of direct sunlight. Do not pressurize, cut, heat or weld containers as they may contain hazardous residues.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS, None established

ENGINEERING CONTROLS: Ventilation should be sufficient to maintain vapour levels below the appropriate exposure standard. Local exhaust ventilation is not normally necessary but should be considered if the product is used in poorly ventilated or very confined spaces. Process controls, which involve changing the way a job is done to reduce the risk. Isolation of emission source keeps a hazard away from personnel.
PERSONAL PROTECTION:
RESPIRATORY: Breathing apparatus of type A-P filter is recommended.
EYE: Wear tightly fitting chemical resistant safety goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Policies should be put in place regarding the use of contact lens in workplace.
HANDS/FEET: Care must be taken when removing gloves and other protective equipment to avoid skin contact as the material may cause skin sensitisation. Remove all contaminated items such as shoes and belts. Use chemical resistant gloves classified under standard AS/NZS 2161.10: Protective gloves against chemicals and micro- organisms. Examples of preferred glove barrier materials include: Butyl rubber, Ethyl vinyl alcohol laminate ("EVAL"), Nitrile/butadiene rubber ("nitrile" or "NBR"), Neoprene, Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 or higher (breakthrough time greater than 480 minutes according to AS/NZS 2161.10) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to AS/NZS 2161.10) is recommended.
SKIN PROTECTION: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
RESPIRATORY PROTECTION: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.
INGESTION: Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Form:	Solid
Odour:	odourless
Odour Threshold:	No data available
pH:	9.4 - 10.1 at 20 °C (68 °F)
Melting point/freezing point:	Melting point/range: 2,040 °C (3,704 °F) - lit.
Initial boiling point and boiling range:	2,980 °C (5,396 °F) g)
Flash point:	Not applicable
Evaporation rate:	No data available
Flammability (solid, gas):	The product is not flammable.
Upper/lower flammability or explosive limits:	
	No data available
Vapour pressure:	1 hPa (1 mmHg) at 2,158 °C (3,916 °F)
Vapour density:	No data available
Relative density:	4.000 g/cm3 n)
Water solubility:	Insoluble

Partition coefficient Noctanol/water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: Not explosive
Oxidizing properties: The substance or mixture is not classified as oxidizing.
Other safety information: No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: Exposure to moisture
Incompatible materials: Strong acids, Strong bases, Chlorine trifluoride, Ethylene oxide, Halogenated hydrocarbon, Oxygen difluoride, Sodium nitrate, Vinyl compounds, Oxygen, Nitrates, Halogens

Hazardous decomposition products:
Other decomposition products No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION
Information on toxicological effects
Acute toxicity:
LD50 Oral - Rat - > 10,000 mg/kg (OECD Test Guideline 401)
LC50 Inhalation - Rat - 4 h - > 2.6 mg/l (OECD Test Guideline 403)
Dermal: No data available
Skin corrosion/irritation:
Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404)
Serious eye damage/eye irritation Eyes:
Rabbit Result: No eye irritation - (OECD Test Guideline 405)

Respiratory or skin sensitisation:
Maximisation Test (GPMT) - Guinea pig Result: Did not cause sensitisation on laboratory animals.
Germ cell mutagenicity:
No data available
Carcinogenicity:
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available
Specific target organ toxicity - single exposure: No data available
Specific target organ toxicity - repeated exposure: No data available
Aspiration hazard: No data available
Additional Information
RTECS: BD1200000 Cough, chest pain, Difficulty in breathing, Gastrointestinal disturbance Liver - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence.

12. ECOLOGICAL INFORMATION

Toxicity: No toxicity at the limit of solubility
Persistence and degradability: The methods for determining biodegradability are not applicable to inorganic substances.
Bio-accumulative Potential: Does not bioaccumulate.
Mobility in soil: No data available
Results of PBT and vPvB assessment PBT/vPvB assessment:
Not available as chemical safety assessment not required/not conducted

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:
Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging:
Dispose of as unused product.

14. TRANSPORT INFORMATION

TRANSPORT INFORMATION:
DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

15. REGULATORY INFORMATION

REGULATORY INFORMATION:
No chemicals in this material are subject to the reporting requirements.
This product does not contain any chemicals known to Australian Regulatory to cause cancer, birth defects, or any other reproductive harm.

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, SHIMICOAT 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 damages whatsoever resulting from the use of, or reliance upon, the information and any recommendations herein.

REFERENCES
Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, February 2016

- Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] and subsequent amendments
- Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), Edition 7.3, August 2014
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Reason for issue:
This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer, it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.
Product Name: Fast Cure Clear Epoxy / Part B
Reference No: 215301 805
Issued: 28 May 2024
Version: V01

Hazchem Code:
Emergency action code of numbers and letters that provide information to emergency services especially fire fighters
IARC: International Agency for Research on Cancer
IOELV: Indicative Occupational Exposure Limit Value
LC50: Lethal Concentration, 50 percent
LD50: Lethal Dose, 50 percent
NICNAS: National Industrial Notification & Assessment Scheme
NIOSH: National Institute for Occupational Safety & Health
NOAEL: No Observed Adverse Effect Level
NOEC: No Observed Effect Concentration
NOS: Not otherwise specified
NTP: National Toxicology Program (USA)
OEL: Occupational Exposure Limit
OSHA: Occupational Safety & Health Administration
PBT: Persistent Bioaccumulative Toxic chemical
PMCC: Pensky Martens Closed Cup
PNEC: Predicted No Effect Concentration
R-Phrase: Risk Phrase
STEL: Short Term Exposure Limit
STOT-SE: Specific Target Organ Toxicity (Single Exposure)
STOT-RE: Specific Target Organ Toxicity (Repeated Exposure)
SUSMP: Standard for the Uniform Scheduling of Medicines & Poisons
TWA: Time Weighted Average
UN Number: United Nations Number
vPvB: Very Persistent and Very Bioaccumulative
WEEL: Workplace Environmental Exposure Level
WEL-TWA: Workplace Exposure Limit, Time Weighted Average
...End Of MSDS...

DISCLAIMER
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This information and all further technical advice are based on our present knowledge and experience. The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.