SAFETY DATA SHEET

MG-KRETE™ PART A

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name	***MG-KRETE™ PART A***
Product Use	*Is a magnesium polyphosphate concrete repair material. Designed specifically for anywhere movement and stress are of concern, such as airport runways, bridges and highways.*
Distributor's Name	*DOR Trading Pty Ltd, Trading as IMCO Australasia* *Suite 1, 567 Englehardt St, Albury NSW 2640*
Manufacturer's Name	*IMCO Technologies Inc.* *6254 Skyway Road, SMITHVILLE, ONTARIO L0R 2A0 CANADA*
Emergency Number	*131 126 – Australian Poison Information Centre*
SDS Revision Date	*August 2026*

2. COMPOSITION/INFORAMTION ON INGREDIENTS					
Hazardous Ingredients	***Weight %***	***CAS Number***	***TLV Mg/m³***	***LD50 ORAL RAT Mg/kg***	***LC50 INHAL RAT ppm***
Silica, Crystalline Quartz	*60 – 100*	*14808-60-7*	*0.05**	*N/A*	*N/A*
Magnesium Oxide	*10 – 100*	*139-48-4*	*3.0**	*N/A*	*N/A*
(Respirable Fraction)	*(0.67%)*		***		

3. HAZARD IDENTIFICATION	
Route of Entry	*Inhalation, skin contact*
Carcinogenic Status	*Respirable crystalline quartz is a suspected human carcinogen, ACGIH Group A2*
Target Organs	*Lungs, skin*
Health Effects – Eye	*Dust may cause irritation and possibly corneal damage*
Health Effects – Skin	*May dehydrate skin*
Health Effects – Ingestion	*Irrigation of mouth, throat and digestive tract*
Health Effects – Inhalation	***NOTE: 0.67% Respirable quartz.*** *Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease call silicosis. Silicosis may occur in varying degrees from minimal to severe. In severe cases, significant and increasingly severe respiratory impairment develops.*

4. FIRST AID MEASURES	
First Aid – Eye	*Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.*
First Aid – Skin	*Immediately flood the skin with large quantities of water, preferably under a shower. Obtain medical attention if blistering occurs or redness persists.*
First Aid – Ingestion	*Rinse mouth out with water.*
First Aid – Inhalation	*Remove from exposure. If there is difficulty breathing, give oxygen. Obtain medical attention immediately.*

5. ACCIDENTAL RELEASE MEASURES	
Spill Procedures	*Non-reactive. Transfer into non-dusting sealed containers for recovery or disposal.*
Personal Precautions	*Avoid creation of dust. Wear AS-NZ S1716 – 2012 approved particle mask, gloves and eye protection*
Environmental Precautions	*Stable in environment. Not toxic to wildlife*

6. FIRE FIGHTING MEASURES	
Conditions of Flammability	*Non-flammable. Will not support combustion*
Extinguishing Media	*N/A*
Special Hazards of Product	*N/A*
Protective Equipment for Fire Fighting	*N/A*
Flash Point (PMCC) (°C)	*N/A*

Upper Flammable Limit %VOL	*N/A*
Lower Flammable Limit %VOL	*N/A*
Auto Ignition Temperature (°C)	*N/A*
Explosion Data – Sensitivity to Impact	*No*
Explosion Data – Sensitivity to Static Discharge	*Yes*

7. HANDLING AND STORAGE	
Handling	*Use in well-ventilated area. Use local exhaust ventilation. Avoid inhaling dust. Avoid contact with eyes, skin and clothing. Handle carefully to avoid creating dust*
Storage	*Store in a dry area.*

8. EXPOSURE CONTROLS/PERSONAL PROTECTIONS	
Engineering Control Measures	*Use in well-ventilated area. Avoid creation of dust. Up to 0.5 mg/m3 use air purifying respirator with high efficiency particulate filter. Up to 1.25 mg/m3 use powered air purifying respirator with high efficiency filter. Up to 2.5 mg/m3 use full-faced piece air purifying respirator with high efficiency particular filter.*
Respiratory Protection	*Wear AS-NZ S1716-2012 approved particle respirator.*
Hand Protection	*Gloves should be worn during all handling operations.*
Eye Protection	*Protect eyes from dust.*
Body Protection	*Clothing should cover body adequately to prevent exposure.*
Protecting During Application	*Will release ammonia gas when mixed with 1260 Part B. Venting or respiration equipment may be required when working in confined spaces. After installation and drying, activities such as grinding, sawing or tear-out of material may cause dust concentration to be above the approved limit for crystalline quartz.*

9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	*Solid*
Odour & Colour	*None, Grey-buff*
Odour Threshold (ppm)	*N/A*
Specific Gravity	*2.65*
Vapour Density (AIR=1)	*N/A*
Vapour Pressure = 20°C	*10 mm @ 1730°C*
Evaporation Rate	*None*
Boiling Range/Point °C	*2230*
Freezing Point °C	*N/A*
pH	*N/A*
Coefficient of Water/Oil Distribution	*N/A*
Solubility in Water	*Insoluble*
VOC (G/L)	*0*

10. STABILITY AND REACTIVITY	
Stability	*Contact with strong oxidising agents.*
Materials to Avoid (Incompatibility)	*Oxidising agents: fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride.*
Hazardous Polymerisation	*Will not occur.*
Hazardous Decomposition Products	*Silica will dissolve in hydrofluoric acid and produce a corrosive gas (silicon tetra fluoride)*

11. TOXICOLOGICAL INFORMATION	
Effects of Acute Exposure	*N/A – No known acute toxicity*
Effects of Chronic Exposure	*Repeated Inhalation of concentrated free silica dust may cause delayed lung injury (silicosis)*
Exposure Limits	*0.05 mg/m³ – Respirable quartz dust.*

Irritancy	*Mild irritation expected*
Sensitisation	*Unlikely*
Carcinogenicity	*The International Agency for Research on Cancer has concluded that crystalline silica in the form of quartz from occupational exposures should be classified as carcinogenic to humans (Group 1). The American Conference of Government Industrial Hygienists have given crystalline silica, quartz an A2 classification, suspected human carcinogen. Simultaneous exposure to known carcinogens can increase carcinogenicity of crystalline silica.*
Reproductive Toxicity	*N/A*
Teratogenicity	*N/A*
Mutagenicity	*N/A*
Toxicologically Synergistic Products	*Synergistic effect between smoking and crystalline silica is likely*

12. ECOLOGICAL INFORMATION	
Mobility	*Stable in environment*
Persistence/Degradability	*Non-biodegradable, generally non-toxic*
Bioaccumulation	*Product does not bioaccumulate*
Ecotoxicity	*Not toxic to wildlife*

13. DISPOSAL CONSIDERATIONS	
Product Disposal	*Non-reactive. Transfer into non-dusting, sealed containers for recovery or disposal. Dispose of in an approved landfill site. Contact local authorities for disposal approval.*
Container Disposal	*Empty bags may contain hazardous residues. Dispose of bags with care*

14. REGULATORY INFORMATION	
WHMIS Classification	*Class D, Div. 2, Subdivision A – Very Toxic Material.*
CEPA Status (DSL)	*All of the ingredients of this product are listed on the Domestic Substances List (DSL)*
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by CPR	

15. TRANSPORTATION INFORMATION	
	TDG Classification
Hazard Label: Not Required	*Not Regulated*
DOT CFR 172.101 Data	*Not Regulated*
UN Proper Shipping Name	*N/A*
UN Class	*N/A*
UN Number	*N/A*
UN Packaging Group	*N/A*
Flash Point	*N/A*
Hazardous Material	*N/A*
Hazardous Label	*N/A*

16. OTHER INFORMATION	
Hazard Rating	*0 = Minimal 1 = Slight 2= Moderate 3 = High 4 = Extreme*
	Health = 1 Flammability = 0 Reactivity = 0
Abbreviations	***N/A**: Denotes no applicable information found or available*
	***CAS#**: Chemical Abstracts Service Number*
	***ACGIH**: American Conference of Governmental Industrial Hygienists*
	***OSHA:** Occupational Safety and Health Administration*
	***TLV:** Threshold Limit Value*
	***PEL:** Permissible Exposure Limit*
	***STEL:** Short Term Exposure Limit*
	***NTP:** National Toxicology Program*
	***IARC:** International Agency for Research on Cancer*
	***R:** Risk*
	***S:** Safety*
	***LD50:** Lethal Dose 50%*
	***LC50:** Lethal Concentration 50%*
Prepared By	***IMCO Australasia Pty Limited***

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations.