MSDS (Materials Safety Data Sheet)

Part 1: Product Infomations		
Chemical English Name	Ceramic Proppant	
Trade Name	GDG CERAMIC PROPPANT	
Synonyms	Aluminosilicate	
Part 2: Chemical Composition		
Ingredients	Content	CAS No.
Corundum	40%-60%	1302-74-5
Mullite	35%-60%	1302-93-8
Part 3: Hazards Identification		
Hazards Class	N/A	
Routes of Entry	N/A	
Potential Health Hazards	**Inhalation** Inhalation of dusts may cause respiratory tract irritation. Repeated or prolonged breathing of particles of respirable size may cause severe respiratory disease. However, this product contains few particles of respirable size. The amount of dust due to breakdown during shipment and intended use and handling is not expected to exceed applicable exposure limits. **Eye Contact** Airborne dust may cause irritation to eyes. **Skin Contact** Prolonged contact with a skin may cause irritation.	
Environmental Hazard	Dust caused improper handling	
Part 4: First Aid Emergency Treatment		
Skin Contact	Wash the affected area with soap and water. Get medical attention if irritation occurs	
Eye Contact	Immediately flush eyes with large amounts of water, lifting the lower and upper lids occasionally. If irritation is present after washing, get medical attention.	
Inhalation	Remove affected person from source of exposure. Get medical attention if irritation	
Ingestion	Seek medical attention if large quantities are ingested.	
Part 5: Fire Protection		
Hazardous Characteristics	N/A	
Harmful Combustion Products	N/A	
Fire-Fighting Measures	This material does not give a flash point by conventional test methods. Use extinguishing agent suitable for type of surrounding fire.	
Part 6: Accidental Release Treatment		
Emergency Treatment	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No Special procedures are required for clean-up of spills or leaks of this material. Caution should be exercised regarding personal safety and exposure to the spilled material, the material’ s nature could cause reduced traction. Persons should take care so as not to slip	
Part 7: Handling and Storage		
Handling Caution	Do not create dust. Use personal protective equipment. Refer to section 8 for personal protective equipment.	
Storage Caution	Store dry in closed container or bags to reduce dust.	
Part 8: Exposure Controls/Personal Protection		
Exposure limit	China MAC(mg/m3)： N/A FSU MAC(mg/m3)： N/A TLVTN： N/A TLVWN： N/A	
Monitoring	N/A	

Enginerring Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and the potential for exposure. Use of the basic principles of industrial hygiene will enable safe handling of the material.
Respiratory	An applicable NIOSH/MSHA or equivalent approved respirator should be worn where airborne exposures may exceed OSHA/ACGIH permissible air concentrations.
Eye Protection	Wear safety glasses or chemical goggles to prevent eye contact. Do not wear contact lenses when working with this substance unless protected under full coverage goggles.
Clothing&Gloves	Gloves are optional to reduce abrasion
Work Hygiene Practises	Handle in accordance with good personal hygiene and safety practices
Ventilation	Provide sufficient (general and/or local exhaust) ventilation to maintain exposure below permissible air concentrations.
Part 9: Physical and Chemical Properties	
Appearance	Dark Granule
Bulk Density	1.70-1.80 g/cm3
Appearance Density	3.15-3.35 g/cm3
Boiling Point	N/A
Melting Point	2200 ℃
Vapor Pressure	N/A
Vapor Density	N/A
PH Value	N/A
Odor:	Odorless
% Volitile by weight	N/A
Evaporation Rate	N/A
Solubility in water:	Insoluble
Part 10: Stability & Reactivity	
Reactivity	Minimal
Stability	Stable
Incompatible Materials	Chlorine Triflouride
Part 11: Toxicological Infomations	
Acute Effects	Coughing and throat irritation are early symptoms of excessive exposure. May be irritating to the respiratory system, lungs and skin. May also cause irritation to eyes.
Chronic Effects	Chronic exposure in excess of established human exposure levels can cause severe respiratory disease