MATERIAL SAFETY DATA SHEET	Document No.	7001-060-012
FineWay Ceramics	Revision	0

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FineWay Ceramic Proppant (all mesh sizes)

SYNONYM(S): Ceramic Proppant; Semi-Crystalline Alumina Silicate

CHEMICAL FAMILY: Aluminosilicate

COMPANY NAME: FineWay Ceramics EMERGENCY PHONE: +1 226 526-9700

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CONCENTRATION	CAS NUMBER	CLASSIFICATION	R-PHRASES
Corundum	> 80%	1302-74-5	Not Classified	Not assigned
Mullite	< 20%	1302-93-8	Not Classified	Not assigned

3. HEALTH HAZARD INFORMATION

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.

HMIS RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 (minimal) SPECIAL PROTECTION:

(slight) (minimal) (See section 8)

4. FIRST AID MEASURES

INHALATION: Remove affected person from source of exposure. Get medical attention if irritation occurs.

INGESTION: Seek medical attention if large quantities are ingested.

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.

SKIN CONTACT: Wash the affected area with soap and water. Get medical attention if irritation occurs.

5. FIRE-FIGHTING MEASURES

ESTIMATED EXPLOSIVE LIMITS (% By volume in air): LEL: N/A UEL: N/A FLASH POINT: N/A

SPECIAL FIRE FIGHTING PROCEDURES: This material does not give a flash point by conventional test methods. Use

extinguishing agent suitable for type of surrounding fire.

UNUSUAL HAZARDS: N/A

6. SPILL OR LEAK PROCEDURES

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.

825 Tecumseh Road West Unit.1	www.finewayceramics.com
Windsor · Ontario · Canada · N8X 1H4	Phone: +1 (226) 526-9700

MATERIAL SAFETY DATA SHEET	Document No.	7001-060-012
FineWay Ceramics	Revision	0

7. HANDLING AND STORAGE

EXPOSURE LIMITS:

HANDLING: Avoid skin and eye contact. Do not create dust. Use personal protective equipment. Refer to section 8 for

personal protective equipment.

STORAGE: Store under cool dry conditions in closed container to reduce dust. Avoid high temperature and moisture to

reduce tendency to create lumps.

8. EXPOSURE CONTROLS/PROTECTION DURING USE

	Corundum	15 mg/m ³ (total)	10 mg/m ³ (total)
		5 mg/m ³ (respirable)	3 mg/m ³ (resp)
	Mullite	15 mg/m ³ (total)	10 mg/m ³ (total)
		5 mg/m ³ (respirable)	3 mg/m³ (resp)
	Phenol	19 mg/m³ (total)	19 mg/m³ (total)
		6 mg/m³ (respirable)	6 mg/m³ (resp)
ENGINEERING CONTROL		y be controlled in a number of	
MEASURES:		orksite depend on how the ma	
	potential for exposure. Use of the handling of the material.	he basic principles of industrial h	ygiene will enable safe

RESPIRATORY: An applicable NIOSH/MSHA or equivalent approved respirator, with particle filter class

P2, should be worn where airborne exposures may exceed OSHA/ACGIH permissible

OSHA PEL-TWA

ACGIH-TWA TLV

air concentrations.

INGREDIENTS

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: Protective gloves optional to prevent skin abrasion from the material.

WORK HYGIENE PRACTICES: 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 2.8 - 3.3 (H₂O=1)**BOILING POINT:** N/A pH: N/A 90 - 105 lb/cu.ft. MELTING POINT:

۴ **BULK DENSITY:** 4000 (estimated)

VAPOR PRESSURE: N/A mm Hg % VOLATILE BY N/A

WEIGHT:

EVAPORATION RATE: VAPOR DENSITY: N/A (Air=1) N/A (Butyl Acetate=1)

APPEARANCE/ODOR: Brown to dark green to black spheres SOLUBILITY IN WATER: Insoluble

with possible light sweet odor.

VOLATILE ORGANIC COMPOUNDS (VOC): 0 lbs/gal (EPA Reference Methods 24)

10. STABILITY AND REACTIVITY

REACTIVITY: Minimal STABILITY: Stable

INCOMPATIBLE MATERIALS: Strong oxidizing agents, strong bases, strong acids, alkalis, calcium hypochlorite.

11. TOXICOLOGICAL INFORMATION

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.

825 Tecumseh Road West Unit.1	www.finewayceramics.com
Windsor · Ontario · Canada · N8X 1H4	Phone: +1 (226) 526-9700

MATERIAL SAFETY DATA SHEET	Document No.	7001-060-012
FineWay Ceramics	Revision	0

12. ECOLOGICAL INFORMATION

This product poses no significant environmental contamination impact during expected use, handling, and proper disposal.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Disposal must be at an approved waste disposal facility and in accordance with applicable Federal, State and Local laws and regulations. Contact the district Director of the Environmental Protection Agency and/or state regulatory agency for appropriate requirements.

14. TRANSPORTATION INFORMATION

UN NO. N/A

ICAO/IATA
RID/ADR
DOT SHIPPING DESCRIPTION
CAN
IMO
Not Restricted
Not Restricted
Not Restricted
Not Restricted
Not Restricted
Not Restricted

15. REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA) STATUS: All chemicals in this product are listed, automatically included, or are

exempt from listing on the TSCA Inventory.

SARA TITLE III: Section 302: None

Section 312: None Section 313: None

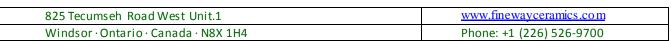
CERCLA REPORTABLE QUANTITY: Below De Minimis Concentration

CLEAN AIR AMENDMENTS-HAZARDOUS AIR POLLUTANTS (HAPS): Phenol

CALIFORNIA STATE PROPOSITION 65: n/a

16. OTHER INFORMATION

Manufacturing Location China



CERAMICS