



Materials Safety Data Sheet

Identification:

Product name: Coast 2 Coast Ceramics
(20/40, 30/50, 40/70 Mesh. Intermediate
Strength) UN.: N/A
Dangerous Goods Class: None Allocated
Subsidiary Risk: None Allocated
Hazchem Code: N/A
Pack Group: 0
EPG: N/A
Poison Schedule/A
Uses: Oil and Natural gas well hydraulic fracturing
Aluminum production, metal alloys

Physical Description/ properties

Appearance: Yellow granular powder
Boiling point: N/A deg C
Melting point: 4000F (estimated)
Vapor pressure: N/A
Specific Gravity (H₂O=1): 2.92
Flashing point: N/A
PH: N/A
Solubility in water: Insoluble
Flammability Limits: N/A
Lower Exposition Limits: N/A
Upper Expression Limits: N/A

Physical Description/ Properties

Chemical Entity	CAS No.	Content	Chemical Formula
Aluminum Oxide	1344-28-1	65.44%	AL ₂ O ₃
Silicon Dioxide	7631-86-9	13.23%	SiO ₂
Titanium Dioxide	13463-67-7	3.13%	TiO ₂
Others			

Health Hazard Information

Acute

Swallowed

Low toxicity. With large doses ingested may result in nausea, vomiting and gastrointestinal irritation.

Eye

Low to moderate irritant. Direct contact- prolonged exposure may result in lachrymation, pain, redness and conjunctivitis.

Skin

Low irritant. Prolonged and repeated exposure to dust/powder may result in irritation due to mechanical action.

Inhaled

Low irritant - nuisance dust. Overexposure may result in mucous membrane irritation. Chronic exposure to alumina dust is reported to cause lung disease, although disease is thought due to the presence of other dusts. Pure alumina, under controlled conditions of use is not anticipated to cause adverse health effects.

Chronic

Low irritant, low toxicity. Aluminum oxide is regarded as a nuisance dust. Overexposure to fine alumina powder may cause mucous membrane irritation of the nose and throat. It should be noted that the effects from exposure to this product will depend on several factors including : frequency and duration of use; quantity used effectiveness of control measures; protective equipment; method of application; and whether the product is to be used indoors or outdoors.

First Aid

Swallowed

If poisoning occurs, contact a Doctor or Poisons Information Center. DO NOT induce vomiting without first seeking medical advice. Ingestion is considered unlikely due to product form.

Eye

Flush gently with running water. Seek medical attention if irritation develops.

Skin

Remove contaminated clothing and gently flush affected areas with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.

Inhaled

If overexposure to dust occurs, leave exposure area immediately. Seek medical attention if symptoms develop.

First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

Advice to Doctor

Treat symptomatically based on judgment of doctor and individual reactions of patient.

Toxicity Data

N_j, L: P50 or LC50 data available. This product is reported to contain very low levels (50-1000ppm) of vanadium pentoxide, phosphorous pentoxide, chromium oxide, magnesium oxide, sulfur trioxide, sodium oxide, niobium oxide and calcium oxide.

Precautions

Exposure Standards

The following exposure limit is recommended : TWA 10 mg/m³. Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour

break between shifts exists to enable the body to eliminate absorbed contaminants. If strenuous work conditions prevail, increasing respiratory intake, or hot, humid or high altitude conditions exist, or where extended shifts exist (increasing the exposure period and shortening the period of recuperation), exposure standards must be reduced.

Engineering Controls

Do not inhale dust/powder. Use with adequate ventilation to maintain airborne concentrations below standards. Where a dust hazard exists, mechanical explosion-proof extraction ventilation is recommended.

Personal Protection

Wear dust-proof goggles and PVC/rubber gloves. When handling large quantities wear overalls. Where a dust inhalation risk exists, wear a Class P1 Particulate respirator. In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember the use of some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated exposure is necessary. Wash hands and face thoroughly after handling and before work breaks, eating, and drinking, smoking or using toilet facilities.

Flammability

Non-flammable. In bulk, dry powder can build up a static electric charge, when subject to the friction of conveying. Mixing or other movement.

Safe Handling Information

Storage / Transport

Store in a cool, dry, well-ventilated area, removed from chlorine trifluoride, hot chlorinated rubber, ethylene oxide alkaline solutions and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use.

Packaging / Labeling

UN No. N/A

Class None Allocated

Sub Risk None Allocated

Hazchem Code N/A

Pack Group")

EPG No. N/A

Shipping Name: Super Prop

Risk Phrases

R20 Harmful by inhalation.

R40: CABAUX Possible risk of irreversible effects.

Safety Phrases

S22 Do not breathe dust.

Spills and Disposal

Spills

Clean-up personnel should wear full protective clothing including breathing protection. Clear area of all unprotected personnel. Avoid generating dust.

Cover spill with moist sand or similar, collect and place in sealable containers for disposal.

Disposal

Dispose of in accordance with all Local, State and Federal regulations at an approved landfill site.

Fire and Explosion Hazard

Fire / Explosion

Non-flammable. Caution: in bulk, dry powder may build up static electric charge when subject to the friction of conveying, Mixing or sliding. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard.

Extinguishing Media

Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use equipment/media appropriate to surrounding fire conditions. Prevent contamination of drains and waterways by extinguish ants. Absorb runoff with sand or similar.

Contact Information

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