



Safety Data Sheet (SDS)

PowerSi GRANULES

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Trade Name : PowerSi GRANULES
Chemical Name : Inorganic/Organic Chemical Fertilizer
Product Use : Fertilizer
Contact Information : HPI Distribution
Address : 3811 Wacker Drive
Mira Loma, CA 91752
United States of America
Tel : (800) 617-1478
Customer Care : (800) 617-1478

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	Amount
Silicon as Si	10193-36-9	20 %
Nitrogen (as N)	7727-37-9	1.00 %
Phosphorous (as P)	1314-56-3	0.50 %
Potassium (as K)	12136-45-7	0.50 %
Fulvic Acid	479-66-3	5.0 %
Unique Proprietary Oligo & polysachharides	--	1.00 %
Fillers	--	Q.S.

SECTION 3: HAZARD IDENTIFICATION

Potential Acute Health Effects : Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation

TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.



SECTION 4: FIRST AID MEASURES

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact : Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact : Not available.

Inhalation : If inhaled, move to fresh air. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation : Not available.

Ingestion : Rinse mouth. Do Not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion : Not available.

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product : May be combustible at high temperature.

Auto-Ignition Temperature : Not available.

Flash Points : Above 190°C.

Flammable Limits : Not available.

Products of Combustion : Not available.

Fire Hazards in Presence of Various Substances : Slightly flammable in presence of open flames.

Explosion Hazards in Presence of Various Substances : Risks of explosion of the product in presence of mechanical impact : Not available; Risks of explosion of the product in presence of static discharge : Not available.

Fire Fighting Media and Instructions : SMALL FIRE: Use DRY chemical powder; LARGE FIRE: Use water spray, fog or foam. Do not use water jet.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be Taken In Case Material Is Released Or Spilled

Sweep or vacuum spilled material into waste container for disposal. Avoid creating excessive dust. Wear approved respirators if necessary. Do not wash down drains, this material may plug drains.

SECTION 7: HANDLING & STORAGE

Be sure proper ventilation, and respiratory and eye protection are used under dusty conditions. Dew point conditions or other conditions causing presence of moisture will harden diatomaceous earth during storage. Excessive particulate concentrations in work place air must be avoided even though it is inert and non-toxic.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls : Ventilation: Use local exhaust, general ventilation or natural ventilation adequate to maintain exposures below appropriate exposure limits. If a person breathes large amounts of this material, move the exposed person to fresh air at once; other measures are usually unnecessary.

Eye/Face Protection : Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated. If product contacts the eyes, immediately wash the eyes with large amounts of water. Get medical attention immediately. Contact lenses should not be worn when working with this material.

Skin Protection : Workers should wear close-fitting working clothes of dust-tight material.

Respiratory Protection : NIOSH/MSHA approved respirator for nuisance dust.

Emergency or planned entry into unknown concentrations or IDLH conditions : Any self-contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode or any supplied-air respirator that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus.

Escape from unknown or IDLH conditions : Any air-purifying, full-face piece respirator with a high-efficiency particulate filter or any appropriate escape-type, self-contained breathing apparatus.

General Hygiene Considerations : There are no known hazards associated with this material when used as recommended. Following the guidelines in this MSDS are recognized as good industrial hygiene practices. Avoid breathing dust. Avoid skin and eye contact. Wash dust-exposed skin with soap and water before eating, drinking, smoking, and using toilet facilities. Wash work clothes after each use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor	: Brown to Grey Colour Granules Odorless
Boiling Point	: Not applicable
Specific Gravity	: 2.1700-2.3200 g/ml
Vapor Pressure	: Not applicable
Vapor Density In Air (Air=1)	: Not applicable
Evaporation Rate	: Not applicable
% Volatile, By Volume	: 0%
Solubility In Water	: 0-2% @ 40C

SECTION 10: STABILITY AND REACTIVITY

Stability	: Stable
Conditions TO Avoid	: Items listed in Incompatibility
Incompatibility (Materials to Avoid)	: Aluminum (at high temperatures), diazomethane.
Hazardous Decomposition Products	: Not Available.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure route: Inhalation, skin and/or eye contact

Target Organs : Eyes, skin, respiratory system

Acute Effect : Acute Potential Health Effects: Skin: Acts as a dessicant and may cause irritation with dryness of the skin increases of severe exposure Eyes: No adverse effects expected, but dust may cause mechanical irritation. Inhalation: This material is a dessicant and may cause dryness ad irritation to mucous membranes and respiratory tract in case of severe exposure. Ingestion: May be harmful if swallowed in large amounts. However, no adverse effects are expected for numeral industrial handling. Silicic Acid is a synthetic amorphous silica (non crystalline). Epidemiological studies indicate a low potential for adverse health effects. It is believed to be a nuisance dust.

Chronic Effect : NA



SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method : May be disposed of as an inert solid in sanitary landfill or by other procedures in accordance with all federal, state, and local regulations. May be used as a supplement on land and on some agricultural products.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Classification	: None
Placard Required	: None
Label Required	: Applicable state and local regulations.

SECTION 15: REGULATORY INFORMATION

FDA : Product is manufactured to be used as Agricultural application. As such FDA regulations are not deemed application.

SECTION 16: OTHER INFORMATION

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