Safety Data Sheet

1. Product Identifier and Company Identification

Product name : **Desert Brand Silica Granules**
HBCC SDS number : CD06000
Synonym : Silicon Dioxide, Crystalline Silica, Sand, Quartz
Product use and Restrictions : Refer to label or call
Manufacturer Contact Address :

Corporate Headquarters
Hill Brothers Chemical Company
3000 E Birch St, Suite 108
Brea, California 92821
714-998-8800
800-821-7234

Corporate Safety & Compliance
Hill Brothers Chemical Company
21639 N 12th Ave, Suite 100
Phoenix, Arizona 85027
623-535-9955 - Office
623-535-9944 - Fax

Emergency telephone Number (Chemtrec) : 800-424-9300
Website : https://www.hillbrothers.com

2. Hazard Identification

Classification : Acute Toxicity; Oral: Category 4
Acute Toxicity; Inhalation: Category 4
Carcinogenicity: Category 1A

Signal Word : DANGER

Pictogram(s) :

Hazard Statements : H302+H332: Harmful if swallowed or inhaled.
H350: May cause cancer.

Precautionary Statements

Response : P304+P340+P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
P301+P330+P312: IF SWALLOWED. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.
P308+P313: If exposed or concerned: Get medical advice/attention.

Prevention : P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dusts, fumes, or mists.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink, or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves, protective clothing, and eye and face protection.

Storage : P405: Store locked up.

Disposal : P501: Dispose of contents and container in accordance with local, regional, national, and international regulations.

3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
14808-60-7	Crystalline Silica, (Quartz), SiO^2	<24%
617690-53-2	Amorphous Silica (Diatomaceous Earth), SiO^2	<87%
N/A	Natural peat	<10%

4. First Aid Measures

Summary of First Aid Measures

Ingestion : N/A

Inhalation : If a person breathes in large amounts of this chemical, move the expose person to fresh air at once, administer artificial respiration as needed. OBTAIN MEDICAL ATTENTION.

Skin : Wash skin with soap and water.

Eyes : While holding eyelids open, flush with plenty of water for 15 minutes. If irritation persists, OBTAIN MEDICAL ATTENTION.

Medical Conditions : Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

Effects of Overexposure : N/A

Summary of Acute Health Hazards : N/A

Ingestion : May be harmful if swallowed.

Inhalation : Crystalline silica can cause silicosis, a progressive and frequently incapacitation pneumoconiosis evident on x-ray and in pulmonary function testing, as well as in subjective respiratory complaints. Acute pneumoconiosis from overwhelming exposure to silica dust has occurred. Coughing and irritation of throat are early symptoms.

Skin : N/A

Eyes : May be slightly irritating to eyes. If irritation persists, GET MEDICAL ATTENTION.

Note to Physicians : N/A

Summary of Chronic Health : N/A

Signs and Symptoms of Exposure: Undue breathlessness, wheezing, cough, and sputum production.

5. Fire Fighting Measures

Extinguishing : N/A

Special Exposure Hazards : Not considered to be a fire or explosion hazard.

Special Protective : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Fire Fighting Procedures : N/A

NFPA Rating : Health - 0
Flammability - 0
Instability - 0

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Uniform Fire Code Rating : N/A

6. Accidental Release Measures

Personal Precautions : Wear protective gloves, protective clothing, and eye and face protection.

Emergency Procedures : N/A

Methods of Containment And Clean-Up : Use dustless methods (vacuum) and place into closable container for disposal, or flush with water. Do not dry sweep. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Safe Handling : Wear thick working gloves and safety glasses. Persons not wearing protective equipment as noted in Section VIII should be restricted from areas with spills or dust accumulation.

Storage : Use waste containers suitable for transportation. Avoid breakage of bagged material or spills of bulk materials. Wash clothing that has become dusty; do not breathe the dust from clothing. Use dustless systems for handling, storage, and clean up so that airborne dust does not exceed the PEL.

Work/Hygienic Practices : Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain, clean, and fit test respirators in accordance with OSHA regulations. Maintain and test ventilation and dust collection equipment. Wash or vacuum clothing which has become dusty. Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Ventilation : Use adequate ventilation and dust collection.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits :

Chemical Name: Desert Brand Silica Granules				
Exposure Limits (TWAs) in Air				
CAS Number	**Chemical**	**ACGIH TLV**	**OSHA PEL**	**STEL**
14808-60-7	Respirable crystalline silica	0.05 mg/m^3	10 mg/m^3	-
61790-53-2	Amorphous silica	10 mg/m^3	80 mg/m^3	-
14808-60-7	Total crystalline silica	.05 mg/m^3	10 mg/m^3	-

Protective Equipment : Protective gloves are recommended. Overalls and/or coveralls are recommended.

Eye Protection : Safety glasses should be worn.

Respiratory : RESPIRATORY PROTECTION FOR CRYSTALLINE SILICA MINIMUM RESPIRATORY PROTECTION
Particulate Concentration:
5 x PEL or less: Any dust respirator.
10 x PEL or less: Any dust respirator, except single-use or quarter-mask

respirator. OR Any dust respirator, except single-use or quarter-mask respirator. OR Any supplied-air respirator. OR Any self-contained breathing apparatus.
50 x PEL of less: A high efficiency particulate filter respirator with a full facepiece. OR Any supplied-air respirator with a full facepiece, helmet, or hood. OR Any self-contained breathing apparatus with a full facepiece.
500 x PEL or less: A Powered air-purifying respirator with a high efficiency particulate filter. OR A Type C supplied- air respirator operated in pressure demand or other positive pressure or continuous-flow mode.
Greater than 500 x PEL or entry and escape from unknown concentrations: Self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. OR A combination respirator which includes a Type C supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure continuous-flow mode and an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.
Abrasive Blasting: Any Type CE, supplied-air respirator with a full facepiece, hood, or helmet, operated in a positive-pressure mode.
Only NIOSH-approved or MSHA-approved equipment should be used.

9. Physical and Chemical Properties

Appearance: While, silver, grey tan sand, crushed, or ground, granular	**Odor:** Odorless
Odor Threshold:	**pH:** N/A
Melting Point: 3050° F	**Initial Boiling Point/Range:** 4046° F
Flash Point: N/A	**Evaporation Rate (BuAc=1):** N/A
Flammability: N/A	**Lower/Upper Explosive Limit:** N/A
Vapor Pressure (mmHg): N/A	**Vapor Density (Air=1):** N/A
VOC: N/A	**Solubility in Water:** Insoluble in water
Decomposition Temperature: N/A	**Density at 25° C (77° F):** N/A
% Volatiles: N/A	**Specific Gravity:** 2.60-2.65
Molecular Weight: N/A	---

10. Stability and Reactivity

Reactivity : N/A

Chemical Stability : Stable

Possibility of Hazardous Reactions or Polymerizations : Hazardous polymerization will not occur

Conditions to Avoid : None

Incompatible Materials : N/A

Hazardous Decomposition Products : Silica will dissolve in hydrofluoric acid and produce a corrosive gas – silicon tetrafluoride. At higher temperatures, can change crystal structure to form tridymite or cristobalite, which have greater health hazards.

11. Toxicological Information

Quartz: NIOSH considers this substance to be a potential occupational carcinogen.

Acute and Chronic Effects : N/A

Routes of Exposure

Inhalation : Yes
Ingestion : Yes
Skin : Yes
Eyes : Yes

Symptoms related to Physical, Chemical & Toxicological Characteristics : N/A

Numerical Measures of Toxicity : N/A

Chronic Toxicity : N/A

Carcinogenicity : N/A

Product Name: Desert Brand Silica Granules					
ACGIH	**IARC**	**EPA**	**NIOSH**	**NTP**	**OSHA**
Yes	Yes	No	Yes	Yes	No

TARGET ORGANS : N/A

12. Ecological Information

Ecotoxicity : N/A

Persistence and Degradability : N/A

Bioaccumulative Potential :

Product/Ingredient	Log $_{Pow}$	BCF	Potential
-	-	-	-

Mobility in Soil : N/A

13. Disposal Considerations

Disposal of Container : May be disposed of in an unrestricted sanitary landfill. Disposal must be done in accordance with Local, State, and Federal regulations.

14. Transport Information

This product is not regulated as a hazardous material, substance or dangerous good.

15. Regulatory Information

SARA 302 Extremely Hazardous Substances (EHS) : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) under Section 302 of EPCRA.

SARA 304 Extremely Hazardous Substances (EHS) Release Notification : No chemical in this product is listed as an Extremely Hazardous Substance (EHS) which, if released to the environment in quantities at or above the substance's Reportable Quantity (RQ), would require reporting to the SERC and LEPC under Section 304 of EPCRA.

SARA 311/312 Hazards :

SARA 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	No	No	No	No

SARA 313 Reportable Chemicals : No chemical in this product is subject to annual emissions, transfers, or waste management reporting under the Community-Right-to-Know provisions of EPCRA Section 313, also known as the Toxic Release Inventory (TRI) Report or Form R.

CERCLA Hazardous Substances : No chemical in this product is listed as a CERCLA hazardous substance subject to the National Response Center (NRC) release reporting requirements.

Clean Air Act (CAA) Section 112(r) Air Pollutants : No chemical in this product is listed as an air pollutant under the U.S. Clean Air Act, Section 112(r) (40 CFR 61).

California Prop 65 Chemicals : **WARNING:** This product contains the following chemical(s) listed under California Proposition 65, which are chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Silicon Dioxide, CAS #14808-60-7

Hazard Label Warning : This product does not require hazard label warnings.

TSCA (Toxic Substances Control Act) : All chemical substances in this product are listed on the U.S. TSCA Inventory List.

ACRONYMS:
CAS # – Chemical Abstract Services Registry Number
CFR – Code of Federal Regulations
CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA – Emergency Planning and Community Right-to-Know Act
LEPC – Local Emergency Planning Committee
SERC – State Emergency Response Commission

16. Other Information

Revision date	:	03/05/2026
Supersedes	:	05/13/2015
First Issue	:	04/10/1989
Chemical Family/Type	:	Oxides
Section(s) changed since last revision	:	1

IMPORTANT! Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.