

5-Star Packing Clay

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: 5-Star Packing Clay
Common Name: Clay
SDS Number: BLM061
Revision Date: 1/15/2019

Supplier Details: PROFILE Products, LLC
750 LAKE COOK ROAD, SUITE 440
BUFFALO GROVE, IL 60089

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Emergency: Emergency Phone: (800) 424-9300 (ChemTrec)

Description: Natural occurring clay mineral

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HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 1
Health, Specific target organ toxicity - Repeated exposure, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H335 - May cause respiratory irritation
H350 - May cause cancer (inhalation)
H372 - Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation)

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260a - Do not breathe dusts or mists.
P284 - [In case of inadequate ventilation] wear respiratory protection.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Inhalation
Target Organs: Lungs.
Inhalation: Do not breathe dust as it may cause permanent lung injury (silicosis). The IARC has classified crystalline silica inhaled in the form of quartz or cristobalite as carcinogenic to humans (Group 1).
Skin Contact: Wash with soap and water until clean
Eye Contact: Wash out with water
Ingestion: No adverse effect

Crystalline Silica (Quartz) [EPA Hazard Category: Health (Chronic)]

Carcinogen: OSHA - No NTP - Yes (respirable) IARC - Yes

This product contains up to 40% crystalline silica. The International Agency for Research on Cancer (IARC) has stated that there is sufficient evidence of carcinogenicity of crystalline silica to human beings. It was noted that carcinogenicity was not detected in all industrial circumstances studied. The NTP's Sixth Annual Report on Carcinogens include respirable crystalline silica. The Hazard Communication Standard (29CFR 1910.1200) requires that any material containing over 0.1% of a substance reported as a carcinogen in an IARC monograph or the most recent NTP Annual Report on Carcinogens must be identified as a carcinogen. These identifications are for hazard communications only and do not serve as assessments of carcinogenic risk. Crystalline silica is known to cause silicosis. At dust levels below the recommended PEL exposure to the crystalline silica contained in this product should not present a health hazard.

Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. As formulated, this product is not expected to form appreciable respirable crystalline silica dust from use or attrition. Because application and exposure data indicate exposure to respirable quartz in the normal use of the ingredient within this product which contains crystalline silica, is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV). Adverse effects would not be expected from normal use of this product

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
14808607	<40%	Silica, crystalline quartz
0	>60%	Proprietary Blend of Non-Hazardous Materials

4 FIRST AID MEASURES

- Inhalation:** Move to fresh air.
- Skin Contact:** Wash thoroughly with soap and water.
- Eye Contact:** Flush thoroughly with water. See a physician if discomfort persists.
- Ingestion:** None. If large quantities are ingested consult your physician.

5 FIRE FIGHTING MEASURES

Non-flammable.

6 ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: If uncontaminated, sweep up or collect, and reuse as product. If contaminated with other materials, collect in suitable containers.

7 HANDLING AND STORAGE

- Handling Precautions:** Avoid breathing dust.
- Storage Requirements:** Store in dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal Protective Equipment:** Respiratory Protection: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH- approved dust respirators, with approval TC-21C-xxx, until feasible engineering controls are completed.
Ventilation: Local exhaust or other ventilation that will reduce dust concentrations to less than Permissible Exposure Limits is recommended.
Eye Protection: If high dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes.
Other Protective Equipment: Optional.

Exposure Limits (respirable fraction) in Air:

OSHA & MSHA - PEL	10mg/m ³
	% SiO ₂ + 2 (8-Hour TWA)
ACGIH - TLV	0.05 mg/cubic meter (8-Hour TWA)
NIOSH	0.05mg/cubic meter (10-Hour TWA, 40-hour work week)

Exposure Limits refer to the respirable fraction.

PEL means OSHA Permissible Exposure Limit.

TLV means American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value.

MSHA means Mine Safety and Health Administration Exposure Limit.

TWA means 8 hour Time Weighted Average.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Red/Brown clay particles	Bulk Density:	43 lbs/cubic ft.
Specific Gravity or Density:	N.A.		

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STABILITY AND REACTIVITY

Chemical Stability:	Stable under all normal conditions.
Conditions to Avoid:	Strong Oxidizers
Materials to Avoid:	Unreacted polymer monomers
Hazardous Decomposition:	None Known
Hazardous Polymerization:	Will not occur.

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TOXICOLOGICAL INFORMATION

Inhalation- N.E.

Intravenous- Rat - LD50:15mg/kg

Oral - Rat - LD50:3160 mg/kg

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ECOLOGICAL INFORMATION

Naturally occurring, inorganic, crystalline, absorbent, clay minerals, such as Attapulgite and Montmorillonite, are used in a wide variety of commercial, industrial, and consumer applications. Calcium bentonite and sodium bentonite clays, which are composed mostly of monmorillonite, have been listed for many years as Generally Recognized as Safe (GRAS) by the U.S. Food and Drug Administration (FDA) for use in human food and animal feed.

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DISPOSAL CONSIDERATIONS

Can be disposed of in an approved disposal facility, in accordance with applicable federal, state, and local regulations. The nature and extent of contamination, if any, may require use of specialized disposal methods.

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TRANSPORT INFORMATION

Non-hazardous for air, sea and road freight.

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REGULATORY INFORMATION

Component (CAS#) [%] - CODES

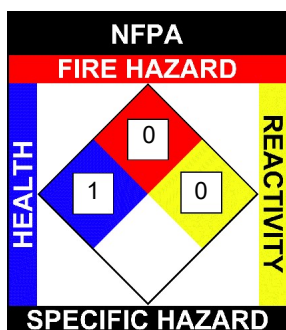
Silica, crystalline quartz (14808607) [<40%] MASS, NRC, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List
NRC = Nationally Recognized Carcinogens
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

16	OTHER INFORMATION
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NFPA: Health = 1, Fire = 0, Reactivity = 0, Specific Hazard = n/a



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