



SAF 516

SDS Number: BLM058

Revision Date: 8/21/2018

Page 1 of 4

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

PROFILE Products, LLC
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Product Identifier: SAF 516
Common Name: N.A.
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Description: Heat Treated Montmorillonite Clay Mineral.

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H335 - May cause respiratory irritation

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P261 - Avoid breathing dust.

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

Inhalation: Lungs
Skin Contact: Wash with soap and water until clean.
Eye Contact: Wash out with water.
Ingestion: No adverse effect.

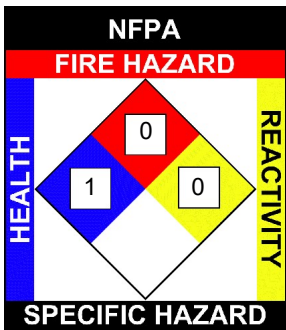
Crystalline Silica (Quartz) [EPA Hazard Category: Health]

Carcinogen: OSHA - No NTP - Yes (respirable) IARC - Yes
This product contains up to 5% 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

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



3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
14808607	3-5%	Silica, crystalline quartz

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 and non-hazardous



SAF 516

SDS Number: BLM058

Revision Date: 8/21/2018

Page 3 of 4

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: 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.

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/m3
	% SiO2 + 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown to buff-colored granular particles		
Physical State:	Solid granular particles.	Odor:	Negligible
Vapor Pressure:	N.A.	Solubility:	Negligible
		Freezing or Melting Point:	N.A.
		Bulk Density:	37 lbs/cubic ft.

10 STABILITY AND REACTIVITY



SAF 516

SDS Number: BLM058

Revision Date: 8/21/2018

Page 4 of 4

Chemical Stability: Stable under all normal conditions.

Materials to Avoid Identification: Unreacted polymer monomers

Hazardous Decomposition: None known.

Hazardous Polymerization: Will not occur.

11	TOXICOLOGICAL INFORMATION
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Inhalation- N.E.
 Intravenous- Rat - LD50:15mg/kg
 Oral - Rat - LD50:3160 mg/kg

12	ECOLOGICAL INFORMATION
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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.

13	DISPOSAL CONSIDERATIONS
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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.

14	TRANSPORT INFORMATION
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Non-hazardous for air, sea and road freight.

15	REGULATORY INFORMATION
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Component (CAS#) [%] - CODES

 Silica, crystalline quartz (14808607) [3-5%] 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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