

## 1. PRODUCT IDENTIFICATION

MSDS Number: 4006050  
Identity: PROS CHOICE™ sports field products  
Issued: June 4, 2009  
Chemical Name Bentonite (Montmorillonite type) Clay

## 2. COMPOSITION

Component	CAS Number	Amount
Bentonite (Montmorillonite type)	1302-78-9	90-93%
Quartz (crystalline silica)	14808-60-7	7-10%

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

This product is a non-combustible, chemically inert mineral. This mineral sample contains a small amount of naturally-occurring crystalline silica as quartz. Prolonged overexposure to respirable crystalline silica may cause lung disease (silicosis). IARC, in Monograph 68, has concluded that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1); however, carcinogenicity was not detected in all industrial circumstances studied. Because the company is not aware of any scientific or medical data available indicating that exposure to dust from this product under conditions of normal use will cause silicosis or cancer; adverse effects would not be expected from normal use of this product.

### HEALTH HAZARDS

**INGESTION:** No adverse effects expected with unused material.  
**INHALATION:** Inhalation of excessive concentrations of dust may cause irritation of mucous membranes and upper respiratory tract.  
**EYE:** Contact may cause mechanical irritation and possible injury.  
**SKIN:** No adverse effects expected.  
**SENSITIZATION:** No adverse effects expected.

### CHRONIC/CARCINOGENICITY:

Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains crystalline silica. Excessive inhalation of respirable crystalline silica may cause silicosis, a progressive, disabling and fatal disease of the lung. Symptoms may include cough, shortness of breath, wheezing and reduced pulmonary function. The International Agency for Research on Cancer (IARC), in Monograph 68 has concluded that crystalline silica inhaled in the form of quartz or cristobalite, from occupational sources is carcinogenic to humans (Group 1). However, in making the overall evaluation, the Working Group noted that carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.

The National Toxicology Program (NTP) classifies crystalline silica as a known carcinogen. Because the company is not aware of any scientific or medical data available indicating that exposure to dust from this product under conditions of normal use will cause silicosis or cancer; adverse effects would not be expected from normal use of this product.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

None currently known.

**4. FIRST AID MEASURES**

- EYE:** Immediately flush eyes with cool running water, lifting upper and lower lids. If irritation persists or for foreign body in the eye, get immediate medical attention.
- SKIN:** None needed for normal use.
- INGESTION:** If used material is ingested, get medical attention due to possibility of chemical contamination. If large amount of unused material is swallowed, get immediate medical attention.
- INHALATION:** Remove to fresh air.

**5. FIREFIGHTING MEASURES**

- FLASH POINT:** This product is not combustible.
- FLAMMABLE LIMITS** Not applicable
- EXTINGUISHING MEDIA:**  
Use media that is appropriate for surrounding fire.
- UNUSUAL FIRE OR EXPLOSION HAZARDS:**  
None
- SPECIAL FIREFIGHTING INSTRUCTIONS**  
None required.
- HAZARDOUS COMBUSTION PRODUCTS:**  
None

**6. ACCIDENTAL RELEASE MEASURES**

Sweep up and collect for re-use or disposal

**7. HANDLING AND STORAGE**

- HANDLING:** Avoid breathing dust. If clothing becomes dusty, launder before re-use.
- STORAGE:** Store in a dry area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

Component	Exposure Limit
Bentonite (Montmorillonite type)	PEL - 5 mg/m <sup>3</sup> TWA (respirable fraction) PEL - 15 mg/m <sup>3</sup> TWA (total dust)
Quartz (crystalline silica)	PEL - 10 mg/m <sup>3</sup> /%SiO <sub>2</sub> +2 TWA TLV - 0.025 mg/m <sup>3</sup> TWA

*PEL- OSHA Permissible Exposure Limit. TLV- American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value.  
 TWA- 8 hour Weighted Average. STEL-Short Term Exposure Limit.*

**ENGINEERING CONTROLS:**

For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.

**RESPIRATORY PROTECTION:**

For operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended.

**SKIN PROTECTION:** None required for normal use.

**EYE PROTECTION:** Safety glasses or goggles recommended.

**OTHER:** None required for normal use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:**

Gray to tan granules, no odor

**PHYSICAL STATE:** Solid

**BOILING POINT:** Not applicable

**VAPOR PRESSURE:** Not applicable

**VAPOR DENSITY:** Not applicable

**SOLUBILITY IN WATER:**

Insoluble

**SPECIFIC GRAVITY:** 2.2

**pH:** Not applicable

**MELTING POINT:** Not applicable

**OCTANOL/WATER COEFFICIENT:**

Not available

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable

**INCOMPATIBILITY:** Physical contact between this material and turpentine, hydrofluoric acid, vegetable oil or other unsaturated organic compounds (such as fish oil) may generate heat and/or



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# Material Safety Data Sheet

PROS CHOICE™ sports field products (#4006050)

(312)321-1515, Information (800)424-9300, Emergency

fire. Do not use this material with these compounds.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

No data available.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with local, state and federal environmental regulations. Unused material is suitable for disposal in sanitary landfill. Used material may be subject to regulation, depending on the nature of the material absorbed. Check with appropriate regulatory authority for used material containing hazardous waste.

**14. TRANSPORT INFORMATION**

**PROPER SHIPPING NAME:**

Not regulated

**UN NUMBER:**

Not applicable

**HAZARD CLASS/PACKING GROUP:**

Not applicable

**LABELS REQUIRED:** None

**15. REGULATORY INFORMATION**

**CERCLA/SUPERFUND:** None

**SARA HAZARD CATEGORY (311/312):**

Chronic Health

**SARA 313:**

None

**TSCA:**

All of the components of this product are listed on the EPA TSCA Inventory or exempt from notification requirements.

**EINECS:**

All of the components of this product are listed on the EINECS Inventory or exempt from notification requirements

**EEC R&S Phrases:**

Xn Harmful, R48/20 Harmful: Danger of serious damage to health by prolonged exposure by inhalation; S22 Do not breath dust; S38 In case of insufficient ventilation, wear suitable respiratory equipment.

**JAPAN MITI:**

All of the components of this product are existing chemical substances as defined in the Chemical Substances Control Law.

**AICS:**

All of the components of this product are listed on the AICS Inventory or exempt from notification requirements

**CANADIAN DSL:** All of the components of this product are listed on the Canadian Domestic Substance List or exempt from notification requirements.

**CA PROPOSITION 65:** This product contains respirable crystalline silica which is known to the State of California to cause cancer.

## 16. OTHER INFORMATION

**NFPA RATING:** Health=1 Fire=0 Reactivity=0

**HMIS RATING:** Health=1\* Fire=0 Reactivity=0

The information in this data sheet is believed to be accurate. However, each purchaser should make its own test to determine the suitability of the product for its purposes. OIL-DRI CORPORATION OF AMERICA MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO THE PRODUCT and assumes no responsibility for any risk or liability arising from the use of the information or the product. Statements about the product should not be construed as recommendations to use the product in infringement of any patent.

**APPENDIX. ASSOCIATED PRODUCTS**

This MSDS applies to the following products: