

Safety Data Sheet

PTM-20CR

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

Revision: October 8, 2009
Review / Revision: May 2014

1. IDENTIFICATION

Part No. and Description: PTM-20CR, Ceramic Diagonal Tumbling Media 20 lbs.

Composition: F

Manufacturer: Almco In
507 W Front St
Albert Lea, MN 56007-2700
Ph: 507-377-2102

Distributor: Goodson Tools & Supplies
156 Galewski Drive
Winona, MN 55987
507-452-1830 or 800-533-8010

Emergency Phone: 800-924-6804 (24 hours)

2. HAZARD IDENTIFICATION

HMIS Hazard Codes: Health (2) Flammability (0) Reactivity (0)

NFPA Hazard Codes: Health (0) Flammability (0) Reactivity (0)

Hazard Rating Scale: 4 = Severe 3 = Serious 2 = Moderate 1 = Slight 0 = Minimal

3. COMPOSITION AND HAZARDOUS INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>% Content</u>	<u>OSHA PEL mg/M3</u>	<u>ACGIH TLV mg/M3</u>
Aluminum Silicate	1332-58-7	45-50%	5.0	10.0
Silicon Dioxide (Crystalline Silica or Quartz)	14808-60-7	30-35%	0.1	0.1
Alumina Oxide (Crystalline) Total Dust	1344-28-1	15-20%	10.0	10.0
Respirable Fraction			5.0	5.0
Kaolinite	1318-74-7	5-10%	10.0	10.0
Magnesium Silicate Hydrate	14807-96-6	1-5%	2.0	2.0
Mica	12001-26-2	1-5%	10.0	10.0

PEL and TLV values are 8-hour time-weighted averages.

Trace amounts, (<1.0%) of titanium dioxide, Kolomite, Chlorite, calcite, magnesite, and iron oxide exist in this product.

NOTE: This product has been manufactured by firing the ingredients listed above to 2300°F. When exposed to this temperature, crystalline silica can change crystal structure to form cristobalite which has greater health hazards than quartz. The ACGIH exposure limits for cristobalite is 0.05 mg/M3 TWA-TLV.

4. FIRST AID

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation of dust: Remove affected person from source of exposure. Consult physician or obtain competent medical assistance as necessary.

Ingestion: Consult physician or obtain competent medical assistance.

Eye Contact (dust): Flush with water. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water.

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): Not Applicable

Flammable Limits: Not Applicable **LEL:** Not Applicable **UEL:** Not Applicable

Extinguishing Media: Not Applicable

Autoignition Temperature: Not Applicable

Special Fire Fighting Procedures: Not Applicable

Unusual Fire and Explosion Hazards: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: If uncontaminated, recover and reuse. If contaminated, collect in suitable containers for disposal in landfill. Use dustless systems for handling, storage, and cleanup so that airborne dust does not exceed the PEL.

7. HANDLING & STORAGE

Precautions to be taken in handling and storing:

Storage Temperature and Pressure: Not Applicable.

General: Do not breathe dust generated by use of this product. Avoid creating dust in closed areas without exhaust ventilation. Use appropriate dust respirators or keep dust exposure below recommended TLV-PEL levels.

Other Precautions: Accumulation of forms or dust on floor may present a slippage hazard to personnel. Promptly clean up spilled material.

8. SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

Respiratory Protection: Use NIOSH, MSHA, or OSHA approved dust/mist respirators in accordance with 29 CFR 910.134, when airborne exposure limits are exceeded.

Ventilation: Use local exhaust for dry tumbling. Mechanical dust collection system may be appropriate if dust generation exceeds the PEL.

Protective Gloves: As needed to prevent irritation.

Eye Protection: Wear safety glasses or dust-proof safety goggles to prevent eye contact with dust.

Other Protective Clothing or Equipment: Clothing which minimizes skin exposure to abrasive forms or dust.

9. PHYSICAL & CHEMICAL PROPERTIES

Boiling Point (F): Not Applicable

Specific Gravity: 2.50

Vapor Pressure: Not Applicable

Evaporation Rate: Not Applicable

Solubility in Water: Insoluble

Melting Point: 2500°F - 2000°C

Vapor Density: Not Applicable

Odor: None

Appearance: White solid form

10. REACTIVITY DATA

Stability: Stable under normal anticipated temperature and pressure.

Conditions to avoid: None.

Incompatibility (Materials to Avoid): Contact of silica with powerful oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, or oxygen difluoride, may cause fires.

Hazardous Decomposition or Byproducts: Silica will dissolve in hydrofluoric acid & produce a corrosive gas, silicon tetrafluoride.

11. TOXICOLOGICAL / HEALTH INFORMATION

ROUTE(S) OF ENTRY (for dust): **Inhalation:** Yes **Skin:** No **Eyes:** Yes **Ingestion:** No

POTENTIAL HEALTH HAZARDS:

Inhalation: Dusts generated by use of this product may cause acute respiratory tract irritation. Repeated or prolonged breathing of fused silica or silicon dioxide dust may cause severe respiratory disease. Effects may include congestion and

irritation of the throat, nasal passages and upper respiratory system; inflammation of the lung; chest pain; difficult breathing; coughing and possible delayed lung injury. Dust may aggravate existing chronic lung conditions such as bronchitis, emphysema and asthma.

Skin Contact/Absorption: Inflammation from contact with open cuts may occur.

Eye Contact: Dust is lightly to moderately irritating. Abrasive action of dust may cause damage to the outer surface of the eye.

Ingestion: Nausea may result from accidental ingestion.

Special Toxic Effects: This product contains crystalline silica. Airborne dusts generated during use of this product may contain respirable silica, which is a known cause of silicosis, a noncancerous lung disease. Dust may also contain cristobalite, a form of silica which can cause severe respiratory disease, pneumoconiosis. The International Agency For Research on Cancer has classified crystalline silica as a probable (2A) carcinogen. National Toxicology Program and OSHA have listed crystalline silica as a probable carcinogen.

12. ECOLOGICAL INFO

Not available.

13. DISPOSAL CONSIDERATIONS

Waste disposal method: Formed shapes and residual dust resulting from the use of this product may be disposed of in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Not available.

15. REGULATORY INFORMATION

Section 313 Supplier Notification: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR372):

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent by Weight</u>
None		

16. OTHER INFORMATION / DISCLAIMER

This Safety Data Sheet has been prepared to comply with OSHA Communication Standard 29 CFR 1910.1200. The information given above is believed to be accurate & was obtained from SDS information submitted to us by our suppliers pertaining to the ingredients contained in this product. The information is provided without any representation or warranty, expressed or implied, with respect to its accuracy or completeness.