SAFETY DATA SHEET
White Polish

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Supersedes Revision: 04/08/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: White Polish
Product Name: White Polishing Pins
Company Name: (Supplier) Almco Inc.
507 W Front Street
Albert Lea MN 56007

Phone Number: +1 (507) 377-2102

Web site address: www.almco.com

Emergency Contact: Chemtrec +1 (800)424-9300

2. HAZARDS IDENTIFICATION

GHS Signal Word:

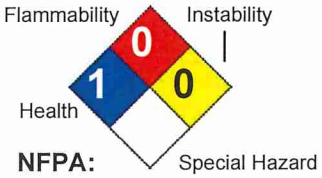
GHS Hazard Phrases: No phrases apply.

GHS Precaution Phrases:
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.

GHS Response Phrases: P314 - Get medical attention/advice if you feel unwell.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/containers in accordance with local/regional/national/international regulations.

Hazard Rating System:



Potential Health Effects (Acute and Chronic): No hazard expected in normal industrial use.

Inhalation: This product should not be used dry. Airborne concentrations of dusts or mists may cause irritation to the upper respiratory tract and lungs. Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies.

Skin Contact: Handling this material with bare hands can cause abrasions.

Eye Contact: It is possible for small fragments of this material or the work piece to be propelled from the work area and strike the eye. This product should not be used dry. Airborne concentrations of dusts or mists may cause irritation to the eyes.

Ingestion: Not a likely route of exposure. May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1344-28-1	Aluminum oxide	70 - 80 %
7631-86-9	Silica	10 - 20 %
1305-78-8	Calcium oxide	0 - 10 %
1304-28-5	Barium oxide	0 - 10 %

Additional Composition Information This product composition information is provided in the unlikely event that a dust is generated during the use of this product. In the material as supplied, these components are not readily available to create a respiration hazard.

4. FIRST AID MEASURES

Emergency and First Aid Procedures: None that are directly attributable to normal use of this material.

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Get medical aid if irritation develops and persists.

In Case of Eye Contact: Flush eyes with water as a precaution. If eye irritation persists, get medical advice/attention.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. This material, as supplied, is significantly larger than 3-4 um and does not pose as respiration hazard unless the material is used in a manner that generates a dust. This material should not be used dry.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt: NA Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire Fighting Instructions: The product itself does not burn. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Flammable Properties and Hazards: None known.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions: Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Avoid dust formation. Avoid breathing dust. Collect for reuse or disposal if contaminated with foreign matter.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Do not ingest or inhale. Provide appropriate exhaust ventilation at places where dust is formed. This product should not be used dry. Material is heavy, use proper lifting techniques.

Precautions To Be Taken in Storing: Store in a dry place. Store in well-ventilated place.

Other Precautions: Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1344-28-1	Aluminum oxide	PEL: 15 (dust); 5 (resp.) mg/m3	TLV: 10 mg/m3 (E)	No data.
7631-86-9	Silica	PEL: 80 mg/m3 / %SiO2	No data.	No data.
1305-78-8	Calcium oxide	PEL: 5 mg/m3	TLV: 2 mg/m3	No data.
1304-28-5	Barium oxide	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Use a NIOSH/MSHA approved respirator where dust may be generated.

Eye Protection: Safety glasses. Wear chemical splash goggles where there is potential for eye contact.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Not required under normal use conditions.

Engineering Controls (Ventilation etc.): Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [ ] Liquid [X] Solid

Appearance and Odor: Appearance: White. Solid. Varying size and shape.
Odor: Odorless.

Melting Point: NA

Boiling Point: NA

Autoignition Pt: NA

Flash Pt: NA Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): NA

Density: NA

Bulk density: 100 - 105 LB/CF

Vapor Pressure (vs. Air or mm Hg): NA

Vapor Density (vs. Air = 1): NA

Evaporation Rate: NA

Solubility in Water: Negligible

Saturated Vapor Concentration: NA

Viscosity: NA

pH: NA

Percent Volatile: No data.

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	None known.
Incompatibility - Materials To Avoid:	None known.
Hazardous Decomposition Or Byproducts:	None known.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available. Other Studies: CAS# 1304-28-5: Acute toxicity, LD50, Subcutaneous, Mouse, 50 mg/kg.
Irritation or Corrosion:	No data available.
Carcinogenicity/Other Information:	OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: No information available. Physical: No information available.
Results of PBT and vPvB assessment:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1344-28-1	Aluminum oxide	No	No	Yes
7631-86-9	Silica	No	No	No
1305-78-8	Calcium oxide	No	No	No
1304-28-5	Barium oxide	No	No	Yes-Cat. N040

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1344-28-1	Aluminum oxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 2891; NY Part 597: No; PA HSL: Yes - E; SC TAP: No; WI Air: No
7631-86-9	Silica	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
1305-78-8	Calcium oxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0325; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: Yes
1304-28-5	Barium oxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 0187; NY Part 597: No; PA HSL: Yes - c; SC TAP: No; WI Air: No

16. OTHER INFORMATION

Revision Date: 06/23/2014

Additional Information About This Product: No data available.

Company Policy or Disclaimer: To the best of our knowledge, the above-named supplier/manufacturer cannot anticipate all conditions which this information and our products, or the products of other manufacturer's in combination with our products may be used. We accept no responsibility for results obtained by the application of this information, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether alone or in combination with other products.