

MATERIAL SAFETY DATA SHEET

IDENTITY (As Used on Label and List) BAIKALOX Alumina Polishing Powder	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
---	---

Section I

Distributor's Name MAGER SCIENTIFIC, INC.	Emergency Telephone Number (313) 662-1472
Address (Number, Street, City, State, and ZIP Code) 3225 CENTRAL ST. DEXTER, MI 48130	Telephone Number for Information (313) 662-1472
	Date Prepared 4/15/86
MAGER PART # AP-200-AP-334	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Aluminum oxide (C.A.S. #1344-28-1; alumina)	15 mg/m ³	10 mg/m ³	STEL 20 mg/m ³	100%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	3.99
Vapor Pressure (mm Hg.)	N/A	Melting Point	2072°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	0

Solubility in Water
Negligible

Appearance and Odor
White, odorless powder.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) Non-flammable	Flammable Limits N/A	LEL	UEL
--	-------------------------	-----	-----

Extinguishing Media
N/A

Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards
None known

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		

Incompatibility (Materials to Avoid) Ethylene oxide, chlorine trifluoride

Hazardous Decomposition or Byproducts None known.

Hazardous Polymerization	May Occur		Conditions to Avoid	
	Will Not Occur	X	None known.	

Section VI — Health Hazard Data

Route(s) of Entry: Yes, may be inhaled ☒ Inhalation? No ☐ Skin? No ☐ Ingestion? No ☐

Health Hazards (Acute and Chronic)
 Acute: irritation to eyes, nose and throat by dust
 Chronic: none known

Carcinogenicity: NTP? No ☒ IARC Monographs? No ☐ OSHA Regulated? No ☐
 Not a known carcinogen

Signs and Symptoms of Exposure Irritation to eyes, nose and throat by dust.

Medical Conditions
 General Aggravated by Exposure None known.

Emergency and First Aid Procedures
 In case of eye contact, immediately flush with plenty of water for 5 minutes. If eye irritation persists, see a physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
 Sweep and dispose of. Vacuum collection is preferable.

Waste Disposal Method
 Solid waste disposal. Bury in landfill.

Precautions to Be Taken in Handling and Storing
 Avoid agitation and open container to avoid dusting of powder. Use with adequate ventilation
 Keep container closed when not in use. Use goggles and respirator in unusually dry condition
 Other Precautions
 Avoid prolonged contact with skin. Use gloves if necessary. Do not take internally.
 Keep dry.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
 For prolonged dust exposure, wear respirator selected per OSHA 29 CFR 1910.134

Ventilation	Local Exhaust	Special
	Local dust pick-up recommended.	None
	Mechanical (General)	Other
	N/A	None

Protective Gloves Recommended for prolonged contact. Eye Protection Select goggles per OSHA 29 CFR 1910.133.

Other Protective Clothing or Equipment

Work/Hygiene Practices
 Normal work practices for a nuisance dust.