

# MATERIAL SAFETY DATA SHEET

## SECTION I: MANUFACTURER & MATERIAL IDENTIFICATION

Manufacturer Kramer Industries, Inc.  
140 Ethel Road West  
Suite U  
Piscataway, NJ 08854-5951

Emergency Phone 732-650-9599

Product **Aluminum Oxide**

CAS Number 1344-28-1

Date Prepared Revised 01/10

## SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	PEL (ppm)	TLV (ppm)
No hazardous components	Mixture	N/A	N/A

## SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point (°C)	>93	Specific Gravity (H <sub>2</sub> O = 1)	1
Vapor Pressure (mm Hg)	N/A	Melting Point (°C)	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	None		
Appearance	Gray powder		
Odor	None		

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (°C)	None
Flammable Limits	N/A
Extinguishing Media	CO <sub>2</sub> , Water spray, Dry chemical, Foam
Special Procedures	SCBA recommended
Unusual Fire & Explosion Hazards	None known

## SECTION V: REACTIVITY DATA

Stability	Stable
Conditions to Avoid	None known
Incompatibility	Strong oxidizers
Hazardous Decomposition	Will not occur
Hazardous Polymerization	Will not occur

MSDS for **Aluminum Oxide** cont.

### SECTION VI: HEALTH HAZARD DATA

Routes of Exposure	Symptoms
Inhalation	Mild irritation of nasal passages
Skin	None known
Eyes	None known
Ingestion	None known
	First Aid
Inhalation	Remove to fresh air
Skin	Wash thoroughly with soap and water
Eyes	Flush with copious amounts of water for 15 minutes
Ingestion	Do not induce vomiting; Drink water or milk; Seek medical attention

### SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Spill	Absorb with sand or other absorbent material
Waste Disposal	Sweep into approved chemical waste container
Handling & Storage	No precautions required

### SECTION VIII: CONTROL MEASURES

Respiratory Protection	None required
Ventilation	Local exhaust
Protective Gloves	Neoprene rubber gloves
Eye Protection	Chemical splash goggles
Other Equipment	None required
Work/Hygiene Practices	Observe standard industrial hygiene practices

### SECTION IX: REGULATORY STATUS

NTP	Not listed
IARC Monographs	Not listed
OSHA Regulated	Not regulated

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