

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

Alumina (Aluminum Oxide) Al_2O_3 (99-100%)

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

Manufacturer's Name Omega Engineering	Emergency Telephone Number: 203-359-1660
Address (Number, Street, City, State, and ZIP Code; P.O. Box 4047	Telephone Number for Information: 203-359-1660
Stamford, CT 06907	Date Prepared December 2, 1986
	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)
Alumina (Aluminum Oxide) Al_2O_3 CAS #1344-28-1	20 Mppcf	10 mg/m ³	Total dust	
(This is a solid article and this data only applies if the product is dry cut or ground.)		3 mg/m ³	Respirable dust	

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity ($H_2O = 1$)	3.80
Vapor Pressure (mm Hg)	N/A	Melting Point	3300°F
Vapor Density (Air = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	No		

Appearance and Odor

White to Ivory. No odor.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A
Extinguishing Media	N/A		
Special Fire Fighting Procedures	N/A		

Unusual Fire and Explosion Hazards

Note: Melting point of material is over 3300°F.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

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

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? Ingestion?

Health Hazards (Acute and Chronic)

This material is a solid article and has no health hazard unless caused to dust by dry cutting or grinding. Have proper ventilation and wear dust mask when cutting or grinding. Wet cutting and/or grinding will prevent dusting of product.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure

Same as long exposure to any nonhazardous dust.

Medical Conditions

Generally Aggravated by Exposure Allergies

Emergency and First Aid Procedures

N/A

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Articles are nonhazardous unless cut and/or ground. These procedures should be done in a water stream and with dust collection. An OSHA approved dust mask should be worn if adequate dust collection is not available.

Waste Disposal Method

N/A

Precautions to Be Taken in Handling and Storing

Do not drop. Article may shatter.

Other Precautions

None

Section VIII — Control Measures (See Health Hazard Data - Section VI)

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves

N/A

Eye Protection

N/A

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices