

Material Safety Data Sheet

Manufacturer's Name: Meller Optics, Inc.
Address: 120 Corliss Street
City, State, Zip Code: Providence, Rhode Island 02904

Chemical Name: **Aluminum Oxide**
Synonyms: Alumina, Alundum
Trade Names: Microlux
Formula: Al₂O₃

Hazardous Ingredients:	C.A.S. No.	%	TLV(Units)
Aluminum Oxide Powder	1344-28-1	100	10mg/m ³

Physical Data:

Boiling Point: 2977°C
Vapor Pressure: 1 mm @ 2158°C
Vapor Density: N/A
Solubility in Water: Insoluble
Specific Gravity (H₂O+1): 3.98
Volatile % by Volume: 0
Appearance/Odor: White powder, no odor

Fire and Explosion Hazard Data

Flash Point: N/A
Extinguishing Media: N/A
Special Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

Health Hazard Data

Threshold Limit: 10mg/m³
Effects of Over Exposure: Very low health risk
Excessive inhalation may cause cough, mucus production, shortness of breath.
Eye contact will cause eye irritation
Skin contact will dry out skin
Ingestion not likely.

Emergency and First Aid Procedures

Inhalation: Remove victim to fresh air.
Contact medical attention if breathing is difficult after 15mins
Ingestion: Not expected to be ingested, no effect on humans/animals

Eye contact: Rinse Eye with fresh water 20-30 mins
Obtain medical attention if pain persists
Skin contact: May cause drying of skin, No hazard to
to human or animals

Spill, Leak and Disposal Procedures

Clean Up:

Disposal:

Sweep/Scoop up material
In compliance with all applicable local, state,
and federal laws. Disposal by ordinary solid waste method
recommended.
Consult local authorities for more information of disposal laws.

Special Protection/Precautions

Use Adequate ventilation
Where the exposure limits exceed, wear an approved and regulated
respirator.

Regulatory Information:

Chemical substance components have been report to EPA office of
Toxic Substances in accordance with requirements of Toxic Substance
Control Act (Title 40 CFR Part 710)

For SARA III reporting- This substance contains no ingredients
listed on CERCLA, Extremely Hazardous, or Section 313 Lists

Aluminum Oxide is regulated by SARA Sections 311,312
solely because it is regulated by OSHA but actually no category fits
the description