

Safety Data Sheet (SDS Sheet)

Product Name: Aluminum Oxide (50 Microns)

Part No. 13772, 13773

Date of Preparation: May 1, 2015

Product Name

Section 1: Identification

Product Name: Aluminum Oxide (50 Microns)
Product Code: 13772, 13773
Description: White medical grade abrasive compound, 50 microns
Product Use: Used to etch materials in preparation for bonding and cavity preparation.

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Section 2: Hazard(s) Identification

Chronic: None
Other: None

Section 3: Composition/Information on Ingredients

Chemical Name	C.A.S. NO	Percent	Limits for Air Contaminants	
			TWA Mg/M ³	PEL Mg/M ³
Alpha Alumina (Al ₂ O ₃)	1344-28-1	99+ %		
Total Dust			10(e)	15
Respirable Fraction			5	5

Section 4: First Aid Measures

Inhalation: Choking sensation, respiratory system passageways irritation.
Skin Contact: No evidence of adverse effects expected.
Eye Contact: May cause irritation.
Swallowing: Non-toxic. May cause irritation of the throat and digestive passageways.
No evidence of Carcinogenicity.

Section 5: Fire Fighting Measures

Non-flammable: Does not support combustion. Not an explosion hazard.

Section 6: Accident Release Measures

Spill, leak and disposal: Avoid dust during clean-up.

Section 7: Handling and Storage

Stable under normal conditions of use, transportation, and storage.

Section 8: Exposure Controls / Personal Protection

Source of Exposure Limit Data
ACGIH Threshold Limit Values
OSHA Tables: Z-1-A, Z-2, Z-3

Possible effects of Overexposure: Individuals with lung disorders should not be exposed to conditions where large airborne quantities of nuisance dust exists without precautions taken to alleviate aggravated pre-existing condition.

Section 9: Physical and Chemical Properties

Melting Temperature: 3700⁰F (2038⁰C)
Specific Gravity: 3.97 Gm/cc
Hardness: 9 Mohs Scale; 2100 Knoop Scale
Water Solubility: Insoluble in water and organic solvents.
pH: 7-8
Color: Light White
Odor: None

Section 10: Stability and Reactivity

Stable under normal conditions of use, transportation, and storage.
No reactivity with water, air, heat, or strong oxidizers.

Section 11: Toxicological Information

None.

Section 12: Ecological Information

Waste may be considered as inert material.

Section 13: Disposal Considerations

Dispose of safely in accordance with local, state, and federal regulations.

Section 14: Transport Information

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NTOSH approved respiratory protection should be used.

Section 15: Regulatory Information

510k #: Exempt

Section 16: Other Information

None

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data from our vendors and suppliers and are believed to be reliable. However, no warranty is made with respect thereto and expressly disclaims all liability for reliance thereon. This information is offered solely for your consideration.