

# Safety Data Sheet (SDS Sheet)



**Product Name: Aluminum Oxide (50 Microns)**

**Part No. 13772, 13773**

**Date of Preparation: May 1, 2020**

## 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.

**Almore International** 10950 SW 5<sup>th</sup> St Suite 270 Beaverton, OR 97005  
**Emergency Telephone Numbers:** (503) 643-6633 | Telephone for information: (503) 643-6633

### 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 <sup>3</sup>	PEL Mg/M <sup>3</sup>
Alpha Alumina (Al <sub>2</sub> O <sub>3</sub> )	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:** 3700<sup>0</sup>F (2038<sup>0</sup>C)  
**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.