

DANVILLE

ALUMINUM OXIDE

Aluminum Oxide

SECTION I: IDENTIFICATION

Company Name: Danville Materials
 3420 Fostoria Way Suite A-200
 San Ramon, CA 94583
 Phone (800) 827-7940
 Fax: (925) 973-0764
 Prepared: June 24, 2013

SECTION II: HAZARD (S) IDENTIFICATION

Chronic: None
 Other: None

SECTION III - 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 IV: 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 V: FIRE -FIGHTING MEASURES

Non-flammable; does not support combustion. Not an explosion hazard.

SECTION VI: ACCIDENTAL RELEASE MEASURES

None
 Spill, leak and disposal: Avoid dust during clean-up.

SECTION VII: HANDLING AND STORAGE

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

SECTION VIII: EXPOSURE CONTROLS /PERSONAL PROTECTION

Source of Exposure Limit Data

ACGIH Threshold Limit Values
 OSHA Tables: Z-1-A, Z-2, Z-3

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ALUMINUM OXIDE**MATERIAL SAFETY DATA SHEET**

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

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Melting Temperature: 3700 °F (2038 °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 brown or white
Odor: None

SECTION X - STABILITY AND REACTIVITY

Stable under normal conditions of use, transportation, and storage.
None with water, air, heat, or strong oxidizers.

SECTION XI - TOXICOLOGICAL INFORMATION

None

SECTION XII - ECOLOGICAL INFORMATION

Waste may be considered as inert material.

SECTION XIII - DISPOSAL CONSIDERATIONS

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

SECTION XIV - TRANSPORT INFORMATION

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

SECTION XV - REGULATORY INFORMATION

510k #: EXEMPT

SECTION XVI - OTHER INFORMATION

None

The data and information given in this Material Safety Data Sheet are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.



3420 Fostoria Way Suite A-200 San Ramon, California 94583 USA
Phone 925/973-0710 800/827-7940 Fax 925/973-0764

0144 Rev E

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