

## MATERIAL SAFETY DATA SHEET

### SECTION 1 - GENERAL, INFORMATION

Manufacturer: Danville Materials Inc.  
3420 Fostoria Way #A-200  
San Ramon, CA 94583  
Telephone: (925) 973-0710  
Date (revised): December 10, 2010  
Product/Trade Name: SA-85, Alumina Abrasive  
Chemical Name: Alumina

### SECTION 2 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White or off-white, crystalline powder  
Freeze-melt point: 3700 F (2038 C)  
Solubility in water: Insoluble; soluble in concentrated acids and alkalis  
Specific gravity: 2.4 - 3.9  
Density: 8-80lb/ft (0.13 - 1.28 g/cm)  
Odor: None, odorless

### SECTION 3 - FIRE AND EXPLOSION DATA

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

### SECTION 4 - HEALTH DATA

Aluminum Oxide Exposure Limits: ACGIH TLV 10mg/m<sup>3</sup>,  
OSHA PEL 15, 5mg/m<sup>3</sup>, 64-85% by weight

Alumina is a low health risk by inhalation and should be treated as a nuisance dust as specified by the American Conference of Governmental Industrial Hygienists (ACGIH). Use with adequate ventilation.

#### Potential Health Effects:

Eyes: May cause mechanical irritation. Safety glasses recommended  
Skin: None  
Inhalation: Low health risk by inhalation. Treat as nuisance dust. Use NIOSH-approved dust respirator.

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

#### First Aid Measures:

Eyes: Flush eyes with plenty of water for at least 15 minutes.  
Irritation persists, consult physician.  
Inhalation: Remove exposed person to fresh air. Restore and/or support breathing as needed. If irritation results, consult a physician.

### SECTION 5 - REACTIVITY DATA

None with water, air, heat, or strong oxidizers.

### SECTION 6 - ENVIRONMENTAL

Waste may be considered as inert material.

### SECTION 7 - HANDLING, STORAGE, TRANSPORTATION

Stable under normal conditions of use, transportation and storage. A void dust during clean-up. Keep material dry.

### SECTION 8 - SPECIAL PRECAUTIONS

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

**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.**