

MATERIAL SAFETY DATA SHEET

SECTION 1 - GENERAL INFORMATION

Manufacturer: Danville Materials Inc.
3420 Fostoria Way # A-200
San Ramon, CA 94583
(925) 973-0710
Date (revised): August 23, 2004
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/m³,
OSHA PEL 15, 5mg/m³, 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. If 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. Avoid 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.