

# Material Safety Data Sheet

Unibrite Corporation  
85A Hoffman Lane  
Islandia, N.Y. 11749

631-582-2800–Emergency  
(FAX) 631-582-2820  
August 27, 2008

Product Name: Alumina, White Aluminum Oxide  
White Aluminum Oxide Crystals

CAS Number: 1344-28-1

## INGREDIENTS:

Aluminum Oxide  $Al_2O_3$  CAS # 1344-28-1 99%

Nuisance Dust: 10 mg/m<sup>3</sup> Total Dust  
5 mg/m<sup>3</sup> Respirable Dust

Non Carcinogen:

## PHYSICAL DATA:

Boiling Point: N/A Melting Point: 2053 C Specific Gravity: 3.95  
Vapor Pressure: N/A Vapor Density:  
Solubility in Water: Negligible Evaporation Rate: N/A  
Solubility in other Solvents: Partially soluble in acids and alkalizes  
Appearance and odor: white granular, no odor

## FIRE & EXPLOSION HAZARD DATA:

Flash Point (F): N/A Flammable Limits: Lel: N/A  
Uel: N/A Extinguishing Media: N/A

Special Fire Fighting Procedures: Will not burn

Unusual Fire and Explosion Hazards: N/A

## HEALTH HAZARD DATA

Routes of entry: EYE-may irritate eyes  
SKIN-no known adverse effects  
INHALATION ACUTE-may cause coughing, shortness of breath.  
INHALATION CHRONIC-may effect breathing capacity.  
INGESTION- no known adverse effects, but not recommended

## HEALTH HAZARD DATA CONT...

First Aid:  
IN EYES- immediately flush with lots of running water. Get medical attention.  
IF INHALED ACUTE- move to fresh air location. If irritation or discomfort persists, seek medical attention.  
INHALATION CHRONIC-apply artificial respiration, if required seek medical attention  
IF SWALLOWED-obtain medical assistance

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## REACTIVITY DATA:

Stable: **XX**                      Unstable:                      Conditions to avoid:  
Materials to avoid: **NAIF**  
Hazardous Decomposition Products: **NAIF**  
Conditions to avoid: **NAIF**

## STORAGE, HANDLING AND USE PROTECTION INFORMATION:

Storage and Handling: Handle with adequate ventilation for nuisance dust, see OSHA 29 cfr 910.94 and cfr 1910.1000

Cleanup and Spill information: apply local, state, and federal standards or landfill

Waste Disposal Method: landfill according to local standards

## SPECIAL PROTECTION INFORMATION

Ventilation: Local Exhaust: recommended  
Mechanical: recommended  
Other:

Respiratory protection: as needed, use approved dust respirator. See OSHA 29 cfr 1910.134

Eye protection: chemical safety goggles recommended.

Protective gloves: as provided by operator, see OSHA 29 cfr 1910.133

Other protective equipment: full cover clothing.

## TRANSPORTATION INFORMATION

US DOT – Not regulated as a hazardous material

**<sup>1</sup>Note: The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof;**

**However Unibrite makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.**

**NAIF= No applicable information found**

**N/A= Not Applicable.**