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MSDS SHEET - WHITE ALUMINUM OXIDE

I. Product Identification

Product Name: AL
Chemical Family: Oxides
Chemical Name: Fused Aluminum Oxide - White
Chemical Formula: Al_2O_3
Emergency and Information Phone Number: 800-252-7848

II. Physical Characteristics

Appearance & Odor: Crystalline Particles - no odor.
Specific Gravity ($H_2O = 1$): 4.0 g/cm³
Boiling Point: 6000° F
Volatiles (% by Weight): N/A
Water Solubility: N/A

III. Chemical Characteristics

Al_2O_3 : 99.41%
 TiO_2 : nihil
 SiO_2 : 0.07%
 Fe_2O_3 : 0.09%
 MgO : 0.03%
 CaO : 0.06%
 Na_2O : 0.32%
 K_2O : 0.02%

IV. Fire & Explosion Hazard Data

Flash Point: N/A
Flammable Limits: N/A
Extinguishing Media: N/A
Unusual Fire & Explosion Hazards: N/A
Special Fire Fighting Procedures: N/A

V. Health Hazard Data

Threshold Limit Value: 10 mg/m³ as Total Dust
Effects of Overexposure: N/A
Emergency & First Aid Procedures: N/A

Note: This material is a non-toxic nuisance dust.

VI. Reactivity Data

Stability: Stable.
Hazardous Polymerization: Will not occur
Conditions to Avoid: N/A
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: N/A

VII. Spill or Leak Procedures

Steps to be taken in case material is released/spilled: This material is inert and may be handled by ordinary means such as: broom, shovel, vacuum cleaner, etc.
Waste Disposal Method: Dispose of in accordance with Federal, State and Local regulations.

VIII. Special Protection Information

Respiratory Protection:

In cases of dust build-up in excess of the "TLV" a "NIOSH" approved air respirator is recommended.

IX. Special Precautions

Precautions to be taken in handling & storing:

Use adequate ventilation so as to avoid exceeding TLV.

Other precautions:

N/A

X. Disclaimer

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XI. Silicosis Warning

⚠ DANGER Breathing dust containing silica will cause silicosis, a fatal lung disease. Breathing dust during blasting operations will cause asbestosis, lead poisoning and/or other serious or fatal diseases. A NIOSH-approved, well-maintained, supplied-air abrasive blasting respirator must be used by anyone blasting, anyone handling or using the abrasive and anyone in the area of the dust. Harmful dust containing toxic material from abrasives or surfaces being blasted can remain suspended in the air for long periods of time after blasting has ceased. Failure to avoid the above danger will result in death or serious injury.

⚠ DANGER You must comply with all OSHA, local, City, State, Province, Country and jurisdiction regulations, ordinances and standards, related to your particular work area and environment. Keep unprotected individuals out of the work area. Failure to avoid the above danger will result in death or serious injury.

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