

MATERIAL SAFETY DATA SHEET

January 2013

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I. IDENTIFICATION

Material Name: **White Aluminum Oxide Abrasive Grit**

HMIS

Chemical Family: Refractory Oxide

Health 1
Flam. 0
React. 0
P.P.E. E

II.

INGREDIENTS

OSHA/PEL ACGIH/TLV
Aluminum Oxide (Al₂O₃) 99. +% 10 mg/m³ * 10 mg/m³
CAS #1344-28-1

*Respirable fraction 5 mg/m³
Listed as Carcinogen: No

III.

PHYSICAL DATA

Melting Point (°C): 2050° C *Specific Gravity (H₂O = 1):* 3.95
Boiling Point (°C): N/A *% Volatiles by Volume:* N/A
Vapor Pressure (mmHg): Essentially 0 *Evaporation Rate (Butyl Acetate = 1):* N/A
Vapor Density Air = 1): N/A *Solubility in Water:* Insoluble
Appearance and Odor: White, Granular
No Odor

IV.

FIRE AND EXPLOSION HAZARD DATA

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

V.

HEALTH HAZARD DATA

Routes of Entry: Ingestion, Skin, Eyes, Inhalation.

Effects of Overexposure: Skin Contact - Not absorbed through skin; may cause abrasions.

Eye Contact - Potential irritation.

Ingestion - No known adverse effects, but ingestion not recommended.

Inhalation - Acute - May cause coughing, shortness of breath.

Chronic - May affect breathing capacity.

VI.

SUGGESTED FIRST AID

Skin Contact: Obtain first aid or medical assistance if needed.

Eye Contact: Flush with large amounts of water. Obtain first aid or medical assistance if needed.

Ingestion: Obtain medical assistance if needed.

Inhalation: Remove to fresh air, apply artificial respiration as needed. Obtain first aid or medical assistance.

Other Potential Health Risks: None known.

VII.

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: N/A

Incompatibility: Incompatible with hot chlorinated rubber.

VIII.

ENVIRONMENTAL INFORMATION

Spill Response: Sweep up and place in appropriate disposal container. Normal precautions for inert or nuisance dusts and particulates.

Recommended Disposal: Non-hazardous. Dispose of in compliance with all federal, state and local laws and regulations.

IX.

SAFE HANDLING AND STORAGE INFORMATION

Respiratory Protection: Utilize NIOSH approved respiratory protection devices for nuisance dust.

Ventilation: Utilize local exhaust to keep airborne concentration below TLV.

Protective Gloves: May be used to prevent dermatitis.

Eye Protection: Utilize NIOSH approved eye protection devices.

Hygienic Practices: Maintain normal housekeeping procedures for nuisance dust.

Other Protective Equipment: Arm sleeves or barrier creams may be useful in the prevention of dermatitis.

Storage: Store in closed, properly labeled containers. Use handling procedures which will limit exposure to excessive airborne dust.

Special Precautions: None

X.

TRANSPORTATION

Not regulated.

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