

**White Aluminum Oxide****Material Safety Data Sheet****Section I**

Manufacturer: **Henry Schein**  
**135 Duryea Rd**  
**Melrose, NY 11747**

Emergency Telephone Number: CHEMTRAC 800-424-9300

Telephone Number for Information: 501-362-6261

Date Prepared: 1/1/05

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
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Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	99%
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Impurities total less than 1%

(TiO<sub>2</sub>+SiO<sub>2</sub>+FeO<sub>3</sub>+Na<sub>2</sub>O+MgO+K<sub>2</sub>O+CaO+ZrO<sub>2</sub>+MnO+Cr<sub>2</sub>O+C)

**Section III - Physical/Chemical Characteristics**

Boiling Point: NAIF

Specific Gravity (H<sub>2</sub>O=1): 3.95

Vapor Pressure (mm Hg.): NAIF

Melting Point: 2040°C

Vapor Density (AIR=1): NAIF

Evaporation Rate (Butyl Acetate =1): NAIF

Solubility in Water: Insoluble

Appearance and Odor: Granular brown, odorless

**Section IV - Fire and Explosion Hazard Data**

Flash Point: NAIF

Flammable Limits: (LEL) N/A (UEL) N/A

Extinguishing Media: NAIF

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

**Section V - Reactivity Data**

Stability: Stable

Conditions to Avoid: None

Incompatibility: NAIF

Hazardous Decomposition or Byproducts: NIAF

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: None

**Section VI - Health Hazard Data**

Route(s) of Entry:

Inhalation? Yes

Skin? Yes

Ingestion? Yes

Health Hazards:

Acute: May cause coughing and shortness of breath

Chronic: May affect breathing capacity

Carcinogenicity:

NTP? No

IARC Monographs? No

OSHA Regulated? N

Signs and Symptoms of Exposure: NAIF

Medical Conditions Generally Aggravated by Exposure: NAIF

Emergency and First Aid Procedures

Inhalation: Remove to fresh air \*. Ingestion: \*. Skin: \*. Eye: Wash with large amounts of water \*. (\* Obtain first aid or medical attention if needed.)

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled:

Normal cleanup procedures, respirators may be required.

Waste Disposal Method:

Standard landfill methods consistent with federal, state, and local laws.

Precautions to Be Taken in Handling and Storing:

Handle with adequate ventilation for nuisance dust.

Other Precautions: NAIF

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**Section VIII - Control Measures**

Respiratory Protection: As needed, approved dust respirator

Ventilation	Local Exhaust: Recommended	Special: NAIF
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Mechanical (General): Recommended	Other: NAIF
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Protective Gloves: As Desired	Eye Protection: Goggles Recommended
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Other Protective Clothing or Equipment: NAIF	Work/Hygienic Practices: NAIF
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