

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

Manufacturer:

**Garreco, Inc.****P.O. Box 1258****Heber Springs, AR 72543**

Emergency Telephone Number: CHEMTREC 800-424-9300

Telephone Number for Information: 501-362-6261

Date Prepared: 05/12/2011

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

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	% (optional)
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	99%
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? No
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

**Section VIII - Control Measures**

Respiratory Protection: As needed, approved dust respirator

Ventilation

Local Exhaust: Recommended

Special: NAIF

Mechanical (General): Recommended

Other: NAIF

Protective Gloves: As Desired

Eye Protection: Goggles Recommended

Other Protective Clothing or Equipment: NAIF

Work/Hygienic Practices: NAIF