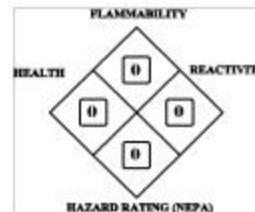


**MATERIAL SAFETY DATA SHEET**

**SECTION I IDENTIFICATION**



Date: March 2001

Chemical Name: Aluminum Oxide  
Chemical Family: Metal Oxide (refractory)  
Part Numbers: D11-0173-101, D11-0173-102

Trade Name: "C," "S," Alumina  
Formula: Al<sub>2</sub>O<sub>3</sub>

**SECTION II COMPOSITION**

<u>Component</u>	<u>%</u>	<u>CAS #</u>	<u>OSHA Exp</u>	<u>TLV</u>	<u>Carcinogen</u>
Aluminum Oxide	99+	1344-28-1	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No
Impurities (Oxides)	Bal				

**SECTION III PHYSICAL AND CHEMICAL DATA**

Boiling Pt: N/A	Melting Pt: 2072°C	Specific Gravity: 3.95
Vapor Pressure: N/A	Percent Volatile: N/A	Vapor Density: N/A
Evap. Rate: N/A	Sol. in water: N/A	Sol. in Alcohol: N/A
Solubility in other solvent: N/A	Appearance and odor: Granular powder, white color, odorless	

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

Flash Point: N/A	Method Used: N/A	Flammable Limits: N/A
Extinguishing Media: N/A	Special Fire Fighting Procedures: N/A	
Explosion Potential: None		

**SECTION V HEALTH, FIRST AID, AND MEDICAL DATA**

Risk:	Inhalation of dust, dust in eyes.
Acute Health Effects:	May cause coughing, shortness of breath.
First Aid Procedures:	Remove to fresh air. Apply artificial respiration if needed. Wash eyes with water if required. Obtain medical help.

**SECTION VI CORROSIVITY AND REACTIVITY DATA**

Stability: Stable	Polymerization: N/A	Incompatibility: N/A
Decomposition Products: N/A	Conditions to be avoided: N/A	

**SECTION VII STORAGE, HANDLING AND USE PROCEDURES**

Normal Storage and Handling:	Use adequate ventilation for nuisance dust.
Normal Use:	Same as above.
In Case of Spills:	Same as above. Use respirators.
Waste Disposal:	Standard landfill methods.

**SECTION VIII PERSONAL PROTECTION INFORMATION**

Respiratory Protection:	Approved dust respirator recommended.
Ventilation:	Recommended.
Eye Protection:	Goggles recommended.
Gloves:	If desired by user.
Other:	N/A

**SECTION IX SPECIAL PRECAUTIONS**

No special precautions required.