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## MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION	
COMPOSITION <b>Ga2O3</b>	PRODUCT NAME <b>Gallium Oxide</b>

Section 2- HAZARDOUS INGREDIENTS			
Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.			
MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS
			OSHA PEL (Mg/M3)      ACGIH TLV(MG/M3)
<b>Ga2O3</b>	<b>12024-21-4</b>		<b>ND</b> <b>ND</b>

Section 3- PHYSICAL DATA	
MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR <b>White crystalline powder. No odor.</b>
MELTING POINT (BASE METAL) <b>Alpha: 1900 Beta: 1795+15</b>	SPECIFIC GRAVITY

Section 4- FIRE AND EXPLOSION			
Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>Non flammable</b>	LEL <b>N.A.</b>	UEL <b>N.A.</b>
EXTINGUISHING MEDIA <b>Use dry chemical, Co2.</b>			
SPECIAL FIRED FIGHTING PROCEDURES <b>Wear a self-contained breathing apparatus and full protective clothing.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Ca2O3 may emit acrid smoke and fumes when involved in a fire.</b>			

Section 5- REACTIVITY DATA	
STABILITY <b>Stable</b>	INCOMPATABILITY (MATERIALS TO AVOID) <b>None</b>
CONDITIONS TO AVOID <b>None</b>	
HAZARDOUS DECOMPOISTION PRODUCTS <b>None</b>	

Section 6- HEALTH HAZARD GUIDE
MAJOR EXPOSURE HAZARD <input type="checkbox"/> Inhalation <input type="checkbox"/> Skin <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input type="checkbox"/> Ingestion
<b>INHALATION:</b> Mild respiratory irritant. <b>SKIN/EYE:</b> Dusts or powders may cause eye and skin irritation. <b>ABSORPTION:</b> May affect peripheral nerves and sensation, causing flaccid apralysis without anesthesia. Behavioral changes such as somnolence and loss of appetite may be noted. Other symptoms may include vomiting, metallic taste in mouth, general itching and sweating.
EMERGENCY & FIRST AID PROCEDURES <b>INHALATION:</b> Remove from exposed area to fresh air. <b>INGESTION:</b> Give 1-2 glasses of water and induce vomiting. <b>SKIN CONTACT:</b> Wash affected area with soap and water. <b>EYES:</b> Rinse with warm water for at least fifteen minutes lifting lower and upper eyelids.

## Section 7- SPILL OR LEAK PROCEDURES

### SPILL OR LEAK PROCEDURES

**Wear a self contained breathing apparatus and full protective clothing. Isolate spill and provide ventilation. Vacuum up spill and place in a container for proper disposal.**

### WASTE DISPOSAL METHODS

**Dispose of in accordance with applicable federal, state and local regulations.**

## Section 8- SPECIAL PROTECTION

### RESPIRATORY

**NIOSH approved dust-mist respirator.**

### VENTILATION

**Local exhaust: Maintain adequate exposure.**

**Mechanical Exhaust: Recommended.**

### EYE PROTECTION & PROTECTIVE CLOTHING

**Safety glasses, neoprene gloves and protective gear suitable to prevent contamination.**

## Section 9- SPECIAL PRECAUTIONS

**Store in a tightly closed container in a cool, dry location. Wash hands and face thoroughly after handling and before eating or smoking.**

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