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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION	
COMPOSITION Ga203	PRODUCT NAME Gallium Oxide

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)
Ga203	12024-21-4		ND ND

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	APPERANCE AND ODOR White crystalline powder. No odor.
MELTING POINT (BASE METAL) Alpha: 1900 Beta: 1795+15	SPECIFIC GRAVITY

Section 4- FIRE AND EXPLOSION			
Flash Point (Method Used) N/A	Flammable Limits Non flammable	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Use dry chemical, Co2.			
SPECIAL FIRED FIGHTING PROCEDURES Wear a self-contained breathing apparatus and full protective clothing.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Ca203 may emit acrid smoke and fumes when involved in a fire.			

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

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
INHALATION: Mild respiratory irritant. SKIN/EYE: Dusts or powders may cause eye and skin irritation. ABSORPTION: 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 INHALATION: Remove from exposed area to fresh air. INGESTION: Give 1-2 glasses of water and induce vomiting. SKIN CONTACT: Wash affected area with soap and water. EYES: Rinse with warm water for at least fifteen minutes lifting lower and upper eyelids.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

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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