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## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>CrSi2</b>	PRODUCT NAME <b>Chromium Silicide</b>
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### 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>CrSi2</b>	<b>12018-09-6</b>		<b>1mg/m<sup>3</sup> *</b> *(for Cr metal & insoluble salts) ** (for Cr & Cr compounds)	<b>0.5mg/m<sup>3</sup>**</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>Odorless silver to black powder</b>
MELTING POINT (BASE METAL) <b>1570° C</b>	SPECIFIC GRAVITY

### Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) <b>Unknown</b>	Flammable Limits <b>Non-flammable</b>	LEL <b>N.A.</b>	UEL <b>N.A.</b>
EXTINGUISHING MEDIA <b>Use agents for metal fires such as dry powder (graphite), CO2, or foam.</b>			
SPECIAL FIRED FIGHTING PROCEDURES: <b>NONE</b>		UNUSUAL FIRE AND EXPLOSION HAZARDS: <b>NONE</b>	

### Section 5- REACTIVITY DATA

STABILITY <b>Stable</b>	INCOMPATIBILITY (MATERIALS TO AVOID) <b>None Known</b>
CONDITIONS TO AVOID: <b>NONE KNOWN</b>	HAZARDOUS DECOMPOSITIONS PRODUCTS: <b>NONE KNOWN</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
EFFECTS OF OVEREXPOSURE Irritation of nose, throat, mucous membranes and soreness of nose and throat. Trivalent chromium compounds have not been shown to be respiratory carcinogens. May develop respiratory sensitivity to this compound. Eczematous dermatitis may occur from repeated skin contact. Low oral toxicity.
EMERGENCY & FIRST AID PROCEDURES Remove to fresh air. Induce vomiting. Flush eyes with water. Brush of clothing until no sign of powder is evident.

**Section 7- SPILL OR LEAK PROCEDURES**

SPILL OR LEAK PROCUDRES

**Vacuum using a vacuum with a HEPA filter. Take care not to raise dust.**

WASTE DISPOSAL METHODS

**Observe all federal, state and local regulations when storing or disposing.**

**Section 8- SPECIAL PROTECTION**

RESPIRATORY:

**Air purifying respirator for dusty conditions.**

VENTILATION

**Local exhaust**

EYE PROTECTION & PROTECTIVE CLOTHING

**Neoprene gloves & Safety glasses recommended.**

**Section 9- SPECIAL PRECAUTIONS**

**Wash thoroughly after handling. Keep container closed when not using.**

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