

Plasmaterials, Inc.
 2268 Research Drive
 Livermore, CA 94550
 Ph: (925) 447-4030 Fx: (925) 447-4031
<http://plasmaterials.com>

MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION MoS2	PRODUCT NAME Molybdenum Sulfide
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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)
MoS2	NE	NE	NE	NE

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 Black Lustrous, Smell similar to "rotten eggs"
MELTING POINT (BASE METAL) 1185° C	SPECIFIC GRAVITY 4.80gm/cc

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Dry chemical extinguisher			
SPECIAL FIRED FIGHTING PROCEDURES Wear NIOSH/MSHA approved self-contained breathing apparatus & protective gear.			
UNUSUAL FIRE AND EXPLOSION HAZARDS None Known			

Section 5- REACTIVITY DATA

STABILITY Unstable	INCOMPATIBILITY (MATERIALS TO AVOID) Strong Acids, Strong Alkalis, Potassium Nitrate
CONDITIONS TO AVOID None Known	
HAZARDOUS DECOMPOSITION PRODUCTS None Known	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation Skin Skin Absorption Eye Contact Ingestion

EFFECTS OF OVEREXPOSURE

INHALATION: May be a mild respiratory irritant. May aggravate pre-existing lung disease. Considered a nuisance dust.

DERMAL/EYE CONTACT: Mild eye irritant. May be irritating and corrosive to the skin, especially if moist.

OTHER: Ingestion will cause G.I. disturbances.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre existing lung disease.

EMERGENCY & FIRST AID PROCEDURES (FOR DUST & FUME ONLY)

INHALATION: Remove from exposed area to fresh air immediately; give oxygen if breathing is difficult.

INGESTION: Do NOT induce vomiting.

SKIN CONTACT: Wash affected area with soap or mild detergent and large amounts of water.

EYE CONTACT: Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Wear full protective clothing, isolate area and ensure proper ventilation. Vacuum spill and place in container for proper disposal.

WASTE DISPOSAL METHODS

Dispose in accordance with all federal, state and local regulations.

Section 8- SPECIAL PROTECTION

RESPIRATORY

NIOSH/MSHA approved respirator.

VENTILATION

Local Exhaust Recommended

EYE PROTECTION & PROTECTIVE CLOTHING

Safety glasses with side shields. Maintain sink, safety shower and eyewash fountain in the work area. Wear full protective clothing at all times.

Section 9- SPECIAL PRECAUTIONS

Store in tightly closed containers in a cool dry place. Wash hands and face thoroughly before eating or smoking

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