

E/M CORP SUB OF GREAT LAKES CHEMICAL CORP -- E-4 (11-501) MOLYBDENUM DISULFIDE --  
6810-00-816-1025

===== Product Identification =====

Product ID:E-4 (11-501) MOLYBDENUM DISULFIDE

MSDS Date:04/17/1996

FSC:6810

NIIN:00-816-1025

MSDS Number: BXGYX

=== Responsible Party ===

Company Name:E/M CORP SUB OF GREAT LAKES CHEMICAL CORP

Address:2801 KENT STREET, U.S.HWY 52

Box:2400

City:WEST LAFAYETTE

State:I

N

ZIP:47906

Country:US

Info Phone Num:317-497-6100

Emergency Phone Num:317-497-6100

Preparer's Name:CHEMICAL COMMUNICATIONS

CAGE:8F024

=== Contractor Identification ===

Company Name:E / M CO. DIV OF MORGAN CHEMICAL PRODUCTS INC

Address:100 COOPER CIR

Box:3969

City:PEACHTREE CITY

State:GA

ZIP:30269

Country:US

Phone:770-261-4835 / FAX: 770-631-0833

CAGE:8F024

===== Composition/Information on Ingredients =====

Ingred Name:MOLYBDENUM DISULFIDE

CAS:1317-33-5

RTECS #:QA4697000

Frac

tion by Wt: >95%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG MO/M3  
ACGIH TLV:10 MG MO/M3

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Hazards Identification  
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LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EXPOSURE MAY CAUSE EYE, SKIN &  
RESPIRATORY TRACT IRRITATION. INGESTION NOT STATED. CHRONIC: NONE  
SPECIFIED BY MANUFACTURE  
R.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:EYES:CAN CAUSE IRRITATION, REDNESS. SKIN:  
PROLONGED CONTACT CAN CAUSE IRRITATION, DERMATITIS. INHALATION:CAN  
CAUSE IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:SKN-WASH WITH SOAP AND WATER. EYES-FLUSH WITH LOTS  
OF WATER.  
INHALED-REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING  
IMPAIRED. INGESTED-NONE STATED.

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Fire Fighting Measures  
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Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL, HALON.  
Fire Fighting Procedures:NOT CONSIDERED A FIRE HAZARD & DOES NOT  
SUPPORT COMBUSTION.  
Unusual Fire/Explosion Hazard:NONE.

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Accidental Release Measures  
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Spill Release Procedures:CLEAN UP BY VACUUMING OR WET SWE  
EPING TO  
MINIMIZE DUST EXPOSURE. PROVIDE CLEAN UP PERSONNEL WITH NIOSH  
APPROVED DUST RESPIRATORS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:USE ADEQUATE VENTILATION TO MAINTAIN  
LEVELS BELOW TWA LIMITS.  
Other Precautions:NONE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED DUST, FUME & MIST RESPIRATOR  
IF TW

A/TLV LIMITS ARE EXCEEDED.

Ventilation:USE LOCAL EXHAUST AND MECHANICAL (GENERAL) AS NECESSARY TO MAINTAIN LEVELS BELOW TWA LIMITS.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:NONE.

Work Hygienic Practices:DLA-HMIS:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS PRESENTED BY CAGE 8F024 FOR CONTRACT NUMBER SP0450-96-M L280.

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

Spec Gravity:4.8

Solubility in Water:INSOLUBLE

Appearance and Odor:GRAY/BLACK POWDER.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:IRRITATING &/OR TOXIC FUMES INCLUDING SULFUR OXIDES & HYDROGEN SULFIDE  
MAY BE RELEASED.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN A CHEMICAL LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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