

CLIMAX MOLYBDENUM MARKETING CORP./CYPRUS CLIMAX -- MOLYSULFIDE -- 6810-00-264-6715

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

Product ID:MOLYSULFIDE

MSDS Date:11/27/1998

FSC:6810

NIIN:00-264-6715

MSDS Number: CBRYD

=== Responsible Party ===

Company Name:CLIMAX MOLYBDENUM MARKETING CORP./CYPRUS CLIMAX

Address:1501 W. FOUNTAINHEAD PARKWAY

Box:22015

City:TEMPE

State:AZ

ZIP:85285-2015

Country:US

Info Phone N

um:602-929-4400/FAX -4430

Emergency Phone Num:602-929-4400/800-424-9300(CHEMTREC)

CAGE:4L063

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

Contract Num:SP0450-00-M-SB60

CAGE:1MDA6

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT

Address:2275 TUCKER INDUSTRIAL RD

Box:City:TUCKER

State:GA

ZIP:30084

Country:US

Phone:770-938-4513/FAX 770-938-3966

Contract Num:SP0450-01-M-ZC51

CAGE:1MDA6

Company Name:CLIMAX MOLYBDENUM CO A DIV OF AMAX INC

Address:3858 CARSON

Box:City:TORRANCE

State:CA

ZIP:90503-6705

Country:US

Phone:213-540-6612

Contract Num:SP0450-99-M-NF39

CAGE:4L063

Company Name:SDB CONSULTANT (504-368-7900)

Box:UNKNOW

CAGE:NO739

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

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Ingred Name:MOLYBDENUM DISULFIDE  
CAS:1317-33-5  
RTECS #:QA4697000  
> Wt:99.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG MO/M3  
ACGIH TLV:10 MG MO/M3

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE EXPOSURE: INHALATION-NO SPECIFIC  
DATA AVAILABLE. INSOLUBLE MOLYBDENUM CO  
MPOUNDS ARE CHARACTERIZED BY  
LOW TOXICITY. SKIN-DERMATITIS HAS NOT BEEN REPORTED IN EXPOSED  
WORKERS. EYE-NO SPECIFIC DATA AVAILABLE. SOME INSOLUBLE MOLYBDENUM  
COMPOUNDS ARE IRRITATING TO THE EYES. INGESTION-NO DATA AVAILABLE.  
CHRONIC EXPOSURE: INHALATION-25 ONE-HOUR EXPOSURES TO 490 MG/M3  
CAUSED NO EFFECTS IN ALL THE ANI MALS TESTED EXCEPT ONE WHICH DIED  
AFTER THE THIRD EXPOSURE. SKIN-NO DATA AVAILABLE. EYE-NO DATA  
AVAILABLE. INGESTION-RATS FED UP TO 500 MG DAILY FOR  
44 DAYS SHOWED  
NO TOXIC SIGNS & ALL GAINED WEIGHT.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION

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===== First Aid Measures =====

First Aid:INHALATION-REMOVE FROM EXPOSURE AREA TO FRESH AIR  
IMMEDIATELY. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL  
RESPIRATION. KEEP PERSON WARM & AT REST. GET MEDICAL AID.  
SKIN-REMOVE CONTAMINATED CLOTHING/ SHOES IMMEDIATELY. WASH AFFECTED  
AREA WITH SOAP/MILD DETERGENT & LARGE AMOU  
NTS OF WATER UNTIL NO  
EVIDENCE OF CHEMICAL REMAINS (APP. 15-20 MIN). GET MEDICAL AID.  
EYE-WASH EYES IMMEDIATELY WITH LARGE AM OUNTS OF WATER OR NORMAL  
SALINE, OCCASSIONALLY LIFTING UPPER & LOWER LIDS, UNTILNO EVIDENCE  
OF CHEMICAL REMAINS (APPO. 15-20). GET MEDICAL AID. INGESTION-IF  
VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION.  
GET MEDICAL AID.

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===== Fire Fighting Measures =====

Flash Point:NONE  
Extinguishing Media:EX

TINGUISH USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

Fire Fighting Procedures:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC OXIDES OF SULFUR.

===== Accidental Release Measures =====

Spill Release Procedures:FOR LARGE SPILLS, SWEEP UP WITH A MINIMUM OF DUSTING AND PLACE INTO SUITABLE CLEAN, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. RESIDUE SHOULD BE CLEANED UP USING A HIGH-EFFICIENCY PARTICULATE FILTER VACUUM.

===== Handling and Storage =====

Handling and Storage Precautions:OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS WHEN STORING OR DISPOSING OF THIS SUBSTANCE. STORE AWAY FROM INCOMPATIBLE SUBSTANCES.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:ANY DUST, MIST, & FUME RESPIRATOR. ANY CHEMICAL CARTRIDGE RESPIRATOR WITH A DUST, MIST, & FUME FILTER. -ANY

POWDERED AIR-PURIFYING RESPIRATOR WITH A DUST, MIST, & FILTER. ANY TYPE "C" SUPPLIED-AIR RESPIRATOR WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND, OTHER POSITIVE PRESSURE MODE OR WITH A FULL FACEPIECE, HELMET, HOOD OPERATED IN CONTINUOUS-FLOW MODE

Ventilation:PROVIDE LOCAL EXHAUST VENTILATION AND/OR GENERAL DILUTION VENTILATION TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves:PROTECTIVE GLOVES ARE NOT REQUIRED BUT RECOMMENDED.

Eye Protection:EMPLOY

EE SHOULD WEAR SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES

Supplemental Safety and Health

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

HCC:N1

Melt/Freeze Pt:>315.C, 599.F

Spec Gravity:4.80

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK GRAY TO BLACK

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

Stability Indicator/Materials to Avoid:YES

ST

STRONG OXIDIZING AGENTS, POTASSIUM NITRATE, HYDROGEN PEROXIDE.  
Stability Condition to Avoid: PREVENT DISPERSION OF DUST IN AIR.  
Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY RELEASE  
TOXIC AND/OR HAZARDOUS GASES.  
Conditions to Avoid Polymerization: HAZARDOUS POLYMERIZATION HAS NOT  
BEEN REPORTED TO OCCUR UNDER NORMAL TEMPERATURES AND PRESSURES.

===== Toxicological Information =====

Toxicological Information: CARCINOGEN STATUS: NONE. ACUTE TOXICITY  
LEVEL: NO DATA AVAILABLE. TARGET EFFECTS: NO DATA AVAILABLE.

===== Ecological Information =====

Ecological: ACUTE AQUATIC TOXICITY: TESTS CONDUCTED IN 1990 AT LEVELS UP  
TO 750 MG/L POWDERED MOS2 RESULTED IN 0 MORTALITY TO RAINBOW TROUT  
(SALMO GAIARDNERI).

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

Waste Disposal Methods: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS  
WHEN DISPOSING OF THIS SUBSTANCE.

===== MSDS Transport Information =====

Transport Information: NO CLASSIFICATION CURRENTLY ASSIGNED.

===== Regulatory Information =====

SARA Title III Information: CERCLA SECTION 103 (40 CFR 302.4): N. SARA  
SECTION 302 (40 CFR 355.30): N. SARA SECTION 304 (40 CFR 355.40):  
N. SARA SECTION 313 (40 CFR 372.65): N. OSHA PROCESS SAFETY (29 CFR  
1910.119): N. SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40  
CFR 370.21): ACUTE HAZARD-N CHRON  
IC HAZARD-N FIRE HAZARD-N  
REACTIVITY HAZARD-N SUDDEN RELEASE HAZARD-N.  
Federal Regulatory Information: TSCA INVENTORY STATUS: Y. TSCA 12(B)  
EXPORT NOTIFICATION: N.  
State Regulatory Information: CALIFORNIA PROPOSITION 65: N.

===== Other Information =====

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