

CLIMAX MOLYBDENUM MARKETING CORP,CYPRUS METALS CO -- MOLYSULFIDE --
6810-00-816-1025

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

Product ID:MOLYSULFIDE

MSDS Date:05/05/1997

FSC:6810

NIIN:00-816-1025

MSDS Number: CFYXZ

=== Responsible Party ===

Company Name:CLIMAX MOLYBDENUM MARKETING CORP,CYPRUS METALS CO

Address:1501 W. FOUNTAINHEAD PARKWAY

Box:22015

City:TEMPE

State:AR

ZIP:85285-2015

Country:US

Info Pho

ne Num:602-929-4400/ FAX 602-929-4430

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

CAGE:4L063

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

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

CAGE:4L063

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===== Composition/Information on Ing

redients =====

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

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY
AND GASTR
OINTESTINAL TRACTS. ACUTE- INHALATION OF DUST MAY CAUSE
UPPER RESPIRATORY TRACT IRRITATION. MAY CAUSE MECHANICAL EYE
IRRITATION. NO DATA AVAILABLE FOR SK IN EXPOSURE OR INGESTION.
CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, COUGHING
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING EYE
PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE
TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH SOAP &
WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE OUT MOUTH
WITH WATER. SEEK MEDICAL ATTENTION. IF VOMITING OCCURS, KEEP HEAD
BELOW HIPS.

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

Flash Point:NONE
Lower Limits:NOT

RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SUPPORTING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSTION PRODUCTS OR SMOKE

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

Spill Release Procedures:RECOVER FOR USE IF NOT CONTAMINATED. WEAR

PROTECTIVE SAFETY EQUIPMENT AND USE ADEQUATE VENTILATION. AVOID MAKING DUST. SWEEP UP AND PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. REMOVE RESIDUE USING A HIGH-EFFICIENCY PARTICULATE FILTER VACUUM.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN VENTILATED AREA AWAY FROM INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID

INHALATION OF DUSTS. KEEP OUT OF REACH OF CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD/HOUSEHOLD USE. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF DUSTY CONDITIONS PREVAIL, WORK IN VENTILATION HOOD OR WEAR NIOSH-APPROVED DUST/FUME RESPIRATOR.

Ventilation:ADEQUATE

Protective Gloves:RUBBER RECOMMENDED

Eye Protection:D

UST-PROOF SAFETY GOGGLES RECOMMENDED

Other Protective Equipment:EYE WASH FOUNTAIN, SAFETY SHOWER AND IMPERVIOUS CLOTHING TO PREVENT SKIN CONTACT

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

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

Spec Gravity:4.80

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK GRAY TO BLACK POWDER - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

HYDROGEN PEROXIDE, STRONG OXIDIZING AGENTS, POTASSIUM NITRATE

Stability Condition to Avoid:DISPERSION OF DUST IN AIR.

Hazardous Decomposition Products:MAY RELEASE HAZARDOUS AND TOXIC GASES.

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

Waste Disposal Methods:DISPOSE OF IN AN APPROVED LANDFILL OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS.

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