

FISHER SCIENTIFIC CO -- MOLYBDIC (VI) ACID,A-173,ACC 15130 -- 6810-00-227-0420

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

Product ID:MOLYBDIC (VI) ACID,A-173,ACC 15130

MSDS Date:10/10/1990

FSC:6810

NIIN:00-227-0420

MSDS Number: BLJGM

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:410-526-8300

Emergency Phon

e Num:412-526-8300 201-796-7100

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:MMM SUPPLY INC

Address:1734 HAYES AVE

Box:City:LONG BEACH

State:CA

ZIP:90813-1145

Country:US

Phone:213-590-8633

CAGE:7X274

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

Ingred Name:MOLYBDIC ACID

CAS:7782-91-4

Other REC Limits:NONE SPECIFIED

OSHA PEL

:10 MG/M3 T DUST  
ACGIH TLV:10 MG/M3 T DUST

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-INHALATION:MAY CAUSE  
NASAL/RESPIRATORY TRACT IRRITATION,WEIGHT  
LOSS,DYSPNEA,INCOORDINATION,ATAXIA,DIARRHEA,HEMOLYTIC  
ANEMIA.INGESTION:MAY CAUSE LOSS OF  
APPETITE,LISTLESSNESS,INCOORDINATION,DYSPN EA,ANEMIA,ANOREXIA &  
MU  
COUS MEMBRANE IRRITATION.EYE/SKIN:MAY CAUSE  
IRRITATION.CHRONIC-DERMATITIS,CONJUNCTIVITIS.  
Effects of Overexposure:NASAL/RESPIRATORY TRACT IRRITATION,WEIGHT  
LOSS,DYSPNEA,INCOORDINATION,ATAXIA,DIARRHEA,HEMOLYTIC  
ANEMIA.INGESTION CAN CAUSE LOSS OF  
APPETITE,LISTLESSNESS,INCOORDINATION,DYSPNEA,ANEMIA,ANOREXIA &  
MUCOUS MEMBRANE IRRITATION.IRRITATION,REDNESS& PAIN IN EYES.SKIN  
IRRITATION.ACCUMULATION IN TISSUE & LUNG IRRITATION.  
Medical Cond Aggravated by Exposure:CHROMIC RESPI  
RATORY DISEASE MAY BE  
AGGRAVATED BY EXPOSURE TO DUST.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE TO FRESH  
AIR.RESUSCITATE IF NOT BREATHING.KEEP PERSON WARM & AT REST.TREAT  
SYMPTOMATICALLY.INGESTION:IF CONSCIOUS,DRINK LARGE AMOUNT OF WATER  
& INDUCE VOMITING.EYES:FLUSH WITH WATER(OR NORMAL SALINE) FOR  
15-20 MINUTES.KEEP EYELIDS OPEN.SKIN:WASH WITH SOAP/MILD DETERGENT  
& WATER (15-20 MI  
NUTES).REMOVE CONTAMINATED CLOTHING.NO SPECIFIC  
ANTIDOTE.

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

Flash Point:NON-FLAMMABLE  
Extinguishing Media:USE WATER FOG,CARBON DIOXIDE,FOAM, OR DRY  
CHEMICAL.FOR LARGER FIRES,USE WATER SPRAY,FOG OR REGULAR FOAM(NOT  
DIRECT H2O).  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unus

ual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
CORROSIVE DUSTS AND FUMES. KEEP UPWIND.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. FOR SMALL DRY  
SPILLS, WITH CLEAN SHOVEL PLACE MATERIAL INTO CLEAN, DRY CONTAINER  
AND COVER. FOR LARGE SPILLS, DIKE FAR AHEAD OF SPILL FOR LATER  
DISPOSAL. VENTILATE AREA. AVOID RAISING DUSTS.

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED  
CONTAINER IN A DRY PLACE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE DUST. AVOID  
MAKING DUST. AVOID CONTACT WITH EYES. USE WITH ADEQUATE  
VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE  
ONLY.

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

Respiratory Protection:FOR 25MG(MO)/M3-USE DUST & MIST RESPIRATOR.250  
MG(MO)/M3-SUPP

LIED-AIR RESPIRATOR+FULL FACE-PIECE,HELMET/HOOD.5000

MG(MO)/M3-POWERED AIR-PURIFYING RESPIRATOR+FILTER.10000

MG(MO)/M3-TYPE 'C' SUPPLIED AIR RESPIRATOR+FULL  
FACE-PIECE(POSITIVE P)

Ventilation:MECHANICAL (GENERAL)/LOCAL EXHAUST

Protective Gloves:NATURAL RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:EYE WASH FOUNTAIN, QUICK DRENCH SHOWER,  
IMPERVIOUS CLOTHING AND EQUIPMENT

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOM

MENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.

Supplemental Safety and Health

MOLYBDIC ACID OF COMMERCE IS EITHER AN AMMONIUM MOLYBDATE(MOLYBDIC ACID  
85%) OR MOLYBDENUM TRIOXIDE.

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

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:158F,70C

Spec Gravity:3.1

Solubility in Water:0.133% @ 64F

Appearance and Odor:WHITE POWDER OR YELLOW CRYSTALS

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

Data =====

Stability Indicator/Materials to Avoid: YES

BROMINE PENTAFLUORIDE, CHLORINE TRIFLUORIDE, MOLTEN MAGNESIUM, SODIUM OR POTASSIUM

Stability Condition to Avoid: HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products: NONE HAZARDOUS

Conditions to Avoid Polymerization: POLYMERIZES READILY AT ROOM TEMPERATURE.

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

Waste Disposal Methods: DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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