

CYPRUS FOOTE MINERAL -- 1103-6008 -- 6810-01-216-7108

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Product Identification  
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Product ID:1103-6008  
MSDS Date:06/06/1989  
FSC:6810  
NIIN:01-216-7108  
MSDS Number: BGQTB  
=== Responsible Party ===  
Company Name:CYPRUS FOOTE MINERAL  
Address:301 LINDENWOOD DRIVE  
City:MALVERN  
State:PA  
ZIP:19355-1740  
Country:US  
Info Phone Num:215-889-9605,EXT.244  
Emergency Phone Num:215-889-9605,EXT.244  
Preparer'  
s Name:D.B.COUGHLAN,MGR.SPEC.PR.  
CAGE:0NGJ8

==== Contractor Identification ====  
Company Name:CHEMETALL FOOTE CORPORATION  
Address:348 HOLIDAY INN DR  
Box:City:KINGS MOUNTAIN  
State:NC  
ZIP:28086  
Country:US  
Phone:704-739-2501  
CAGE:07660  
Company Name:CYPRUS FOOTE MINERAL CO  
Address:301 LINDENWOOD DR  
Box:689  
City:MALVERN  
State:PA  
ZIP:19355-1740  
Country:US  
Phone:215-889-9605  
CAGE:0NGJ8

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Composition/Information on Ingredients  
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Ingred Name:LITHIUM HYDROXIDE,ANHYDROUS  
CAS:1310-6

5-2  
RTECS #:OJ6307070  
Fraction by Wt: 99.0%  
Other REC Limits:2MG/CUM

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:HEALTH HAZARD TO SKIN AND LUNG  
TISSUE.LITHIUM HYDROXIDE REACTS CORROSIVELY WITH BODY MOISTURE  
CAUSING A BURNING SENSATION.  
Effects of Overexposure:MAY CAUSE DAMAGE TO THE UPPER RESPIRATORY TRACT  
AND TO LUN  
G TISSUES.IRRITATION,BURNING SENSATION TO EYES &  
SKIN;PROLONGED SKIN CONTACT CAUSES DERMATITIS,DEEP BURNS &  
SCARRING.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN OR RESPIRATORY  
DISEASES MAY BE AGGRAVATED.

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First Aid Measures  
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First Aid:SPEED IN REMOVING LITHIUM HYDROXIDE IS CRITICAL TO AVOID  
SEVERE CAUSTIC BURNS. EYES:FLUSH WITH WATER FOR 15 MINUTES.SEE  
DOCTOR IMMEDIATELY. SKIN:REMOVE CONTAMINATED CLOTHING.FLUSH WITH  
  
LARGE AMOUNTS O RESH AIR.GIVE OXYGEN,CPR IF NEEDED. INGESTION:DRINK  
LARGE AMOUNTS OF WATER.DO NOT INDUCE VOMIT.SEE DOCTOR IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING.USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS.  
Unusual Fire/Explosion Hazard:NONE NOTED;USE REASONABLE CAR  
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Accidental Release Measures  
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Spill Release Procedures:WEAR PERSONAL PROTECTION.SWEEP UP AND RETURN  
TO CONTAINER.NEUTRALIZE RESIDUE WITH DILUTE ACETIC ACID.ABSORB IN  
INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND  
COVER.  
Neutralizing Agent:USE DILUTE ACETIC ACID TO NEUTRALIZE RESIDUE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL,DRY AND WELL VENTILATED

AREA.KEEP AWAY FROM ACID,WATER AND KEEP IN TIGHTLY CLOSED CONTAINER.

Other Precautions:THOROUGHLY WASH EQUIPMENT TO BE REPAIRED WITH WATER.COLLECT THE SOLUTION IN LABELLED CONTAINERS.WEAR FULL PERSONAL PROTECTIVE EQUIPMENT.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST IF ABOVE TLV/PEL.

Ventilation:LOCAL EXHAUST TO KEEP EXPOSURE BELOW TLV.

Protective Gloves:DUST GLOVES COVERING THE FOREARM.

Eye Protection:DUST GOGGLES.

Other Protective Equipment:FULL LENGTH CLOTHING.IF SPLASHING WEAR FULL FACE SHIELD AND RUBBER APRON.

Work Hygienic Practices:AVOID CONTACT WITH SKIN AND EYES;DO NOT BREATHE DUST/MIST;WASH THOROUGHLY AFTER EACH USE.

Supplemental Safety and Health  
NONE.

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

HCC:B1

Melt/Freeze Pt:=-450.C, 842.F

Vapor Pres:0.0

Solubility in Water:COMPLETE

Appearance and Odor:WHITE CRYSTALS,ODORLESS

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

Stability Indicator/Materials to Avoid:YES

ACIDS

Stability Condition to Avoid:MOISTURE,EXTREME HEAT

Hazardous Decomposition Products:WHEN EXPOSED TO AIR,LITHIUM HYDROXIDE PICKS UP CARBON DIOXIDE AND CAKES OVER.

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

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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