

E/M CORPORATION,SUB OF GREAT LAKES CHEMICAL CORP -- PERMA-SLIK G 10-117 --  
9150-00-954-7422

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

Product ID:PERMA-SLIK G 10-117

MSDS Date:02/25/1991

FSC:9150

NIIN:00-954-7422

MSDS Number: BMSYH

=== Responsible Party ===

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

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

Box:2400

City:WEST LAFAYETTE

State:IN

ZIP:47906

Cou

ntry:US

Info Phone Num:317-463-2511

Emergency Phone Num:317-497-6100

CAGE:KO238

=== 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

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Composition/Information on Ingredients  
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Ingred Name:MOLYBDENUM DISULFIDE (% IS TRADE SECRET)

CAS:1317-33-5

RTECS #:QA4697000

Other REC Limits:NONE SPECIFIED

OSHA PEL:10 MG/M3 AS MO (MFR)

ACGIH TLV:10 MG/M3 AS MO (MFR)

Ingred Name:INORGANIC LEAD COMPOUNDS

Fraction by Wt: 1 - 5%

Other REC Limits:NONE SPECIFIED

OSHA PEL:.05 MG/M3 AS PB(MFR)

ACGIH TLV:.15 MG/M3 AS PB(MFR)

Ingred Name:ANTIMONY TRIOXIDE (SARA III)

CAS:1309-64-4

RTECS #:CC5650000

Fraction by Wt: 5 - 10%

Other

REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3 (SB)

ACGIH TLV:0.5 MG SB/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)

CAS:1330-20-7

RTECS #:ZE2100000

Fraction by Wt: 5 - 10%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 60 - 65%

Other REC Limits:NONE

SPECIFIED  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYES:CAN CAUSE  
IRRITATION,REDNESS,BLURRED VISION.SKIN:PROLONGED CONTACT CAN CAUSE  
IRRITATION,DERMATITIS.INHALE:CAN CAUSE  
IRRITATION,DIZZINESS,NAUSEA,FATIGUE  
,HEADACHE &  
UNCONSCIOUSNESS/ASPHYXIATION.ORAL:CAN CAUSE GI  
IRRITATION,NAUSEA,VOMITING & DIARRHEA.CHRONIC-LEAD CAN ACCUMULATE &  
CAUSE LEAD POISONING.  
Explanation of Carcinogenicity:CONTAINS LEAD  
Effects of Overexposure:CAN CAUSE EYE IRRITATION, REDNESS, BLURRED  
VISION. PROLONGED SKIN CONTACT CAN CAUSE IRRITATION, DERMATITIS.  
INHALATION CAN CAUSE IRRITATION, DIZZINESS, NAUSEA, FATIGUE,  
HEADACHE & UNCONSCIOUSNESS/ASPHYXIATION. ORALLY CAN CAUSE GI  
IRRITATION, NAUSEA, VO  
MITING & DIARRHEA.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH A HISTORY OF SKIN  
AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP  
& WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS  
OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF  
NEEDED.ORAL:DO NOT INDUCE VOMITING.KEEP WARM.GET MEDICAL  
ATTENT  
ION.IF VOMITING OCCURS,KEEP HEAD BELOW HIPS DUE TO ASPIRATION  
HAZARD.

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

Flash Point Method:TCC  
Flash Point:=-4.4C, 24.F

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===== 24 =====

Extinguishing Media:USE FOAM, DRY CHEMICAL, CARBON DIOXIDE, HALON. DO  
NOT EXTINGUISH WITH WATER.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE

OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:IRRITATING/TOXIC FUMES, INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, SULFUR DIOXIDE MAY BE RELEASED IN A FIRE.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. VENTILATE AREA.  
WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND COVER.

===== Handling and Storage ====  
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Handling and Storage Precautions:STORAGE-STORE IN COOL,WELL VENTILATED AREA AWAY FROM HEAT,IGNITION SOURCES & OXIDIZERS.  
Other Precautions:"EMPTY" CONTAINERS MAY RETAIN RESIDUE AND CAN BE DANGEROUS.DO NOT PRESSURIZE,CUT,WELD,BRAZE,SOLDER,DRILL,GRIND OR EXPOSE SUCH CONTAINERS TO HEAT,FLAME,SPARKS.THEY MAY EXPLODE AND CAUSE INJURY/DEATH.AVOID CONTACT WITH EYES & SKIN.

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

Respiratory Protection:  
WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE IF TWA/TLV LIMITS ARE EXCEEDED.

Ventilation:MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION TO KEEP EXPOSURE LEVELS BELOW PEL. USE EXPL-PROOF EQUIPM.

Protective Gloves:NITRILE TYPE

Eye Protection:GOGGLES

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUND

ER CONTAMINATED CLOTHING BEFORE REUSE. DO NOT BREATHE MIST/VAPOR.

Supplemental Safety and Health  
FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A AND B UNDER THE SAME NSN.

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

HCC:F2

Solubility in Water:SLIGHT

Appearance and Odor:GRAY/BLACK LIQUID; ORGANIC SOLVENT ODOR.

Percent Volatiles by Volume:76.8

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

Stability Indicator/Materials to Avoid:YES  
STRO

NG OXIDIZING AGENTS

Stability Condition to Avoid: EXCESSIVE HEAT, SPARKS, FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products: IRRITATING/TOXIC FUMES, INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, SULFUR DIOXIDE MAY BE RELEASED IN A FIRE.

Conditions to Avoid Polymerization: WILL NOT POLYMERIZE

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

Waste Disposal Methods: DISPOSE OF WASTE IN A CHEMICAL LANDFILL AS APPROVED BY CURRENT FEDERAL, STATE AND LOCAL REGULATIONS.

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