

E/M CORPORATION -- PERMA-SILK G (PPSG) -- 9150-01-360-1903

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

Product ID:PERMA-SILK G (PPSG)

MSDS Date:04/23/1998

FSC:9150

NIIN:01-360-1903

Status Code:A

MSDS Number: CKFJV

=== Responsible Party ===

Company Name:E/M CORPORATION

Address:100 COOPER CIRCLE

Box:3969

City:PEACHTREE CITY

State:GA

ZIP:30269

Country:US

Info Phone Num:770-261-4821

Emergency Phone Num:770-26

1-4821

Preparer's Name:CHEM COMMUNICATIONS COORD

Chemtec Ind/Phone:(800)424-9300

CAGE:8F024

=== 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

Contract Num:SP0450-00-M-C174

CAGE:8F024

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

Ingred Name:MOLYBDENUM DISULFIDE

CAS:1317-33-5

RTECS #:QA4697000

Fraction by Wt:

SECRET  
OSHA PEL:10 MG/M3 AS MO  
ACGIH TLV:10 MG/M3 AS MO

Ingred Name:DIBASIC LEAD PHOSPHITE (INORGANIC LEAD COMPOUND)  
CAS:12141-20-7  
Minumum % Wt:1.  
Maxumum % Wt:5.  
OSHA PEL:0.05 MG/M3 AS PB  
ACGIH TLV:0.15 MG/M3 AS PB

Ingred Name:ANTIMONY TRIOXIDE (INORGANIC ANTIMONY COMPOUND)  
CAS:1309-64-4  
RTECS #:CC5650000  
Minumum % Wt:5.  
Maxumum % Wt:10.  
OSHA PEL:0.5 MG/M3  
ACGIH TLV:0.5 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE  
CAS:1330-20-7  
RTECS #:ZE2100000  
Minumum % Wt:5.  
Maxumum  
% Wt:10.  
OSHA PEL:100 PPM  
OSHA STEL:655 MG/M3  
ACGIH TLV:434 MG/M3;100 PPM  
ACGIH STEL:651 MG/M3;150 PPM  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:METHYL ETHYL KETONE  
CAS:78-93-3  
RTECS #:EL6475000  
Minumum % Wt:60.  
Maxumum % Wt:65.  
OSHA PEL:590 MG/M3;200 PPM  
ACGIH TLV:590 MG/M3;200 PPM  
ACGIH STEL:885 MG/M3;300 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Rep

orts of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:MOLYBDENUM COMPOUNDS MAY BE SLIGHTLY IRRITATING. XYLENE(CAS#1330-20-7) IS A MODERATE SKIN IRRITANT IN RABBITS AND SEVERE EYE IRRITANT. METHYL ETHYL KETONE(CAS#78-93-3) IS AN EYE AND SKIN IRRITANT, AFFECTS THE NERVOUS SYSTEM AND IS A TERATOGEN IN LAB ANIMALS. INORGANIC LEAD COMPOUNDS (CAS#12141-20-7) HAVE THE POTENTIAL TO BIO-ACCUMULATE AND CAUSE LEAD POISONING. CHRONIC OVEREXPOSURE TO IN

ORGANIC LEAD COMPOUNDS HAVE BEEN FOUND TO CAUSE TARGET ORGAN AND REPRODUCTIVE EFFECTS. REFER TO OSHA STANDARD 29 CFR-1910.1025.

Explanation of Carcinogenicity:ANTIMONY COMPOUNDS IN TESTS WITH LAB ANIMALS HAS BEEN REPORTED TO CAUSE BENIGN AND MALIGNANT LUNG TUMORS UPON INHALATION ABOVE THE TLV.

Effects of Overexposure:EYES- CAN CAUSE IRRITATION, REDNESS BLURRED VISION. SKIN- PROLONGED CONTACT CAN CAUSE IRRITATION, DERMATITIS. INHALATION- CAN CAUSE IRRITATION, DIZZINESS, NAUSEA, FATIGUE, HEADACHE AND UNCONSCIOUSNESS OR ASPHYXIATION. INGESTION- CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:SKIN- WASH WITH SOAP AND WATER. EYES- FLUSH WITH COPIOUS AMOUNTS OF WATER, GET MEDICAL ATTENTION. INHALATION- REMOVE TO FRESH AIR. IF BREATHING IS IMPAIRED, GET MEDICAL ATTENTION. INGESTION- DO NOT INDUCE VOMITING, KEEP WARM, GET MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:=-4.4C, 24.F

Extinguishing Media:CO2, FOAM, DRY CHEMICAL OR HALON

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS. DO NOT EXTINGUISH WITH WATER.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CLEAN SPILL WITH ABSORBENT M

ARTERIAL ELIMINATE

IGNITION SOURCES WEAR GLOVES, GOGGLES AND GAS MASK IF TWA'S ARE EXCEEDED.

Neutralizing Agent:NOT PROVIDED

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Handling and Storage  
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Handling and Storage Precautions:PROTECT FROM PHYSICAL DAMAGE. STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM ACIDS, ALKALIS AND OPEN FLAMES.

Other Precautions:NONE

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED ORGANIC RESPIRATOR IF TWA/TLV

LIMITS ARE EXCEEDED.

Ventilation:LOCAL-USE TO MAINTAIN LEVELS BELOW TWA LIMITS. MECHANICAL-USE NON SPARKING EQUIPMENT.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES

Other Protective Equipment:NONE

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

NOT RELEVANT

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Physical/Chemical Properties  
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HCC:V3

Vapor Pres:NA

Vapor Density:8.2

VOC Pounds/Gallon:768

Solubility in Water:

SLIGHT

Appearance and Odor:GRAY/BLACK LIQUID, ORGANIC SOLVENT ODOR

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:OPEN FLAME

Hazardous Decomposition Products:IRRITATION AND OR TOXIC FUMES

INCLUDING CO, CO2, H2O AND SO2

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Toxicological Information  
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Toxicological Information:NOT PROVIDED

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Ecological Information  
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Ecological:NOT PROVIDED

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

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

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

Transport Information:SEE TRANSPORTATION DATA.

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

SARA Title III Information:LEAD COMPOUND, ANTIMONY COMPOUND, XYLENE, METHYL ETHYL KETONE ARE SUBJECT TO REPORTING REQUIREMENTS UNDER SARA 313

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:NOT PROVIDED

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

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