

E/M CORPORATION -- PERMA-SILK G AEROSOL (10-117)

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MSDS Safety Information
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FSC: 9150
NIIN: 01-360-1905
MSDS Date: 04/23/1998
MSDS Num: CJKYK
Product ID: PERMA-SILK G AEROSOL (10-117)
MFN: 02
Responsible Party
Cage: 8F024
Name: E/M CORPORATION
Address: 100 COOPER CIRCLE
Box: 3969
City: PEACHTR
EE CITY GA 30269
Info Phone Number: 770-261-4821
Emergency Phone Number: 770-261-4821

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICANT,SOLID FILM
Specification Number: MIL-L-46147B
Type/Grade/Class: TY I,FORM 2,COLOR 1
Unit of Issue: CN
Quantitative Expression: 00000000016OZ
UI Container Qty: 1
Type of Container: AEROSOL CAN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: YES
OSHA: NO
Effects of Exposure: TARGET ORGANS:EYES, SKIN, RESPIRATORY SYS

TEM, CNS, CVS

(NIOSH). HEALTH HAZARD: 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 TRACT IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. CHRONIC - INHALATION CAN CAUSE HEADACHE, DEPRESSION, LOSS OF APPETITE, VOMITING, COUGHING, LOSS OF SENSE OF BALANCE, AND VISUAL DISTUR

BANCES. SKIN CONTACT CAN CAUSE DERMATITIS.

INORGANIC LEAD COMPOUNDS HAVE TARGET ORGAN AND REPRODUCTIVE EFFECTS.

Explanation Of Carcinogenicity: CONTAINS INORGANIC LEAD COMPOUNDS, ANTIMONY AND METHYLENE CHLORIDE WHICH ARE LISTED BY IARC AS SUSPECTED CARCINOGENS.

Signs And Symptoms Of Overexposure: IRRITATION, NAUSEA, VOMITING, DIARRHEA, HEADACHE, DIZZINESS, DROWSINESS, BLURRED VISION, UNCONSCIOUSNESS, DERMATITIS, FATIGUE, COMA, REDNESS

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

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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Handling and Disposal
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Spill Release Procedures: CLEAN SPILL WITH ABSORBENT MATERIAL. ELIMINATE

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

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions: FLAMMABLE. DO NOT SPRAY NEAR OPEN FLAME. DO NOT PUNCTURE, INCIN

ERATE, THROW INTO FIRE OR STORE ABOVE 120F.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: <-28.7C, -20.F

Lower Limits: N/D

Upper Limits: N/D

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

Fire Fighting Procedures: WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. DO NOT EX

TINGUISH WITH WATER.

Unusual Fire/Explosion Hazard: NONE. DLA-: AEROSOL CANS UNDER PRESSURE AND CONTAINS FLAMMABLE LIQUID AND GAS. CANS MAY RUPTURE OR EXPLODE.

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Control Measures
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Respiratory Protection: USE A NIOSH APPROVED ORGANIC RESPIRATOR IF TWA/TLV LIMITS ARE EXCEEDED.

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

Protective

Gloves: NONE NORMALLY REQUIRED.

Eye Protection: SAFETY GLASSES OR GOGGLES.

Other Protective Equipment: NONE.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health: PRODUCT ID IS: PERMA-SLIK G AEROSOL (10-117); SEE MSDS# CKHYM.

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Physical/Chemical Properties
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HCC: V3

Boiling Point: >82.2C, 180.F

Vapor Density: 8.3

Spec Gravity: 0.996 AS CONCENTRATE

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solubility in Water: NIL

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

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: OPEN FLAME.

Materials To Avoid: STRONG OXIDIZING AGENTS, ACIDS, ALKALIS.

Hazardous Decomposition Products: IRRITATING AND/OR TOXIC FUMES INCLUDING CARBON MONOXIDE, CARBON DIOXIDE, SULFUR DIOXIDE, PBS AND SB COMPOUNDS MAY BE RELEASED.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE.

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Toxicological Information
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Toxicological Information: MOLYBDENUM COMPOUNDS MAY BE SLIGHTLY IRRITATING. INORGANIC LEAD COMPOUNDS HAVE THE POTENTIAL TO BIO-ACCUMULATE & CAUSE LEAD POISONING. CHRONIC OVEREXPOSURE TO INORGANIC LEAD COMPOUNDS HAVE BEEN FOUND TO CAUSE TARGET ORGAN & REPROD

UCTIVE EFFECTS. ANTIMONY COMPOUNDS

HAVE BEEN REPORTED TO CAUSE BENIGN & MALIGNANT LUNG TUMORS. METHYL ETHYL KETONE IS AN EYE & SKIN IRRITANT, AFFECTS THE NERVOUS SYSTEM & IS A TERATOGEN. MINERAL SPIRITS ARE IRRITATING TO EYES, SKIN & MUCOUS MEMBRANES. LPG IS AN ASPHYXIANT. METHYLENE CHLORIDE IS MODERATELY TOXIC. XYLENE IS A MODERATE SKIN & EYE IRRITANT.

Ecological Information

Ecological: NONE SPECIFIED BY MANUFACTURER.

MSDS Transport Information

Transport Information: NONE SPECIFIED BY MANUFACTURER.

Regulatory Information

Sara Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: INORGANIC LEAD COMPOUND, INORGANIC ANTIMONY COMPOUND, METHYL ETHYL KETONE, XYLENE AND METHYLENE CHLORIDE.

Federal Regulatory Information: NONE SPECIFIED BY MANUFACTURER. State Regulatory Information: NONE SPECIFIED BY MANUFACTURER.

Other Information

Other Information: NONE SPECIFIED BY MANUFACTURER.

Transportation Information

Responsible Party Code: 8F024
Trans ID NO: 147617
Product ID: PERMA-SILK G AEROSOL (10-117)
Review Date: 11/18/1999
MFN: 2
Tech Entry NOS Shipping Nm: METHYL ETHYL KETONE, XYLENE, LIQUIFIED PETROLEUM GAS, METHYLENE CHLORIDE
Net Unit Weight: 1 LB CAN
Multiple KIT Number: 0
Unit Of Issue: CN
Container QTY: 1
Type

Of Container: AEROSOL CAN

Additional Data: XXX: PER 1999 IATA REGULATIONS PSN IS : "AEROSOLS, FLAMMABLE".

N.O.S. IS NO LONGER USED BY IATA.

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Detail DOT Information
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DOT PSN Code: AGC

DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,

DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)

Hazard Class: 2.1

UN ID Num: UN1950

Label: FLAMMABLE GAS

Special Provision: N82

Non Bulk Pack: NONE

Bulk

Pack: NONE

Max Qty Pass: 75 KG

Max Qty Cargo: 150 KG

Vessel Stow Req: A

Water/Ship/Other Req: 40,48,85
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Detail IMO Information
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IMO PSN Code: AKD

IMO Proper Shipping Name: AEROSOLS o

IMDG Page Number: 2102

UN Number: 1950

UN Hazard Class: 2(T)

IMO Packaging Group: -

Subsidiary Risk Label: T

EMS Number: 2-13

MED First Aid Guide NUM: 620
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Detail IATA Information
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IATA PSN Code: ALS

IATA UN ID Num: 1950

IATA Proper Shipping Name: AEROSOLS, FLAMMABLE

IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)

IATA UN Class: 2.1

IATA Label: FLAMMABLE GAS

Packing Note Passenger: 203

Max Quant Pass: 75KG

Max Quant Cargo: 150KG

Packaging Note Cargo: 203
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Detail AFI Information
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AFI PSN Code: ALR

AFI Symbols: *

AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.

AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)

AFI Hazard Class: 2.1

AFI UN ID NUM: UN1950

Special Provisions: P4

Back Pack Reference: A6.3

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HAZCOM Label

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Product ID: PERMA-SILK G AEROSOL (10-117)

Cage: 8F024

Company Name: E / M CO. DIV OF MORGAN CHEMICAL PRODUCTS INC

Street: 100 COOPER CIR

PO Box: 3969

City: PEACHTREE CITY GA

Zipcode: 30269

Health Emergency Phone: 770-261-4821

Label Required IND: Y

Date Of Label Review: 11/05/1999

Status Code: C

Label Date: 04/23/1998

Year Procured: 1999

Origination

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: NO

Signal Word: DANGER

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS:EYES, SKIN, RESPIRATORY SYSTEM, CNS
, CVS

(NIOSH). CAUTION: FLAMMABLE: USE IN WELL-VENTILATED AREA/IN HOOD WHERE NO
IGNITION SOURCES PRESENT. HARMFUL IF INHALED. WARNING: DO NOT USE THIS
LUBRICANT IN FOOD PROCESSING EQUIPMENT. WARNING: PRESSURIZED CONTAINER: DO
NOT STORE ABOVE 49C. KEEP FROM DIRECT SUNLIGHT, RADIATORS, STOVES, HOT WATER,
OTHER HEAT SOURCES. DO NOT PUNCTURE CAN OR PLACE IN INCINERATOR. DO NOT
BREATHE VAPORS OR MISTS. WEAR RESPIRATOR. CONTAINS COMPONENTS KNOWN TO BE
CARCINOGENIC AND REPRODUCTIVE TO

XINS, EFFECTS LIVER, KIDNEY, CNS. CONTAINS
TOXIC HEAVY METALS.

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