

UMM ELECTRONICS INC -- VESSEL SOLUTION - PYRIDINE FREE

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MSDS Safety Information  
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FSC: 6810  
NIIN: 01-459-0999  
MSDS Date: 03/01/1998  
MSDS Num: CKPWS  
Product ID: VESSEL SOLUTION - PYRIDINE FREE  
MFN: 01  
Responsible Party  
Cage: 1C4Z1  
Name: UMM ELECTRONICS INC  
Address: 6911 HILLSDALE COURT  
City: INDIANAP  
OLIS IN 46250-2062  
Info Phone Number: 800-222-5711  
Emergency Phone Number: 800-451-8346 (3E CO)  
Resp. Party Other MSDS No.: PRODUCT NO: 27-910-12  
Proprietary Ind: Y  
Review Ind: Y  
Published: Y

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Preparer Co. when other than Responsible Party Co.  
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Cage: 03NM5  
Name: 3E CORP  
Address: 711 PUTNAM PIKE  
City: GREENVILLE RI 02828

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Contractor  
Summary  
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Cage: 1C4Z1  
Name: UMM ELECTRONICS INC. PHOTOVOLT INSTRUMENTS  
Address: 6911 HILLSDALE COURT  
City: INDIANAPOLIS IN 46250-2062  
Phone: 800-222-5711/800-451-8346

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Item Description Information  
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Item Manager: S9G  
Item Name: SOLUTION,GENERATOR  
Unit of Issue: BT  
Quantitative Expression: 00000000500ML  
UI Container Qty: 0  
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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Effects of Exposure: ACUTE: INGESTION: MAY CAUSE GI DISTURBANCE, DIZZINESS,  
UNCONSCIOUSNESS, BLINDNESS, & DEATH. SKIN CONTACT: CAUSES SKIN

IRRITATION. EYE CONTACT: CAUSES EYE IRRITATION, POSSIBLE BLINDNESS. CHRONIC:  
PRODUCT CONTAINS CHLOROFORM, AN ANIMAL CARCINOGEN. EYE CONTACT: BLINDNESS.  
SKIN CONTACT: DRY & CRACKED SKIN. INHALATION: CNS DEPRESSION, KIDNEY  
& LIVER DAMAGE.

Explanation Of Carcinogenicity: PRODUCT CONTAINS CHLOROFORM, AN ANIMAL  
CARCINOGEN.

Signs And Symptoms Of Overexposure: INGESTION-DIZZINESS, UNCONSCIOUSNESS,  
BLINDNESS. SKIN CONTACT-IRRITATION, DRY & CRACKED SKIN. EYE CONTACT-EYE  
IRRITATION, POSSIBLE BLINDNESS.

Medical Cond Aggravated By Exposure: DISEASES OF THE EYES, LIVER, KIDNEYS,  
& SKIN.

First Aid: INGESTION: CALL POISON CONTROL CENTER FOR ASSISTANCE. EYE &  
SKIN: IMMEDIATELY & CONTINUOUSLY FLUSH WITH FLOWING WATER. FOR EXPOSURE  
INVOLVING A SIGNIFICANT QUANTITY OF MATERIAL, CONTACT A PHYSICIAN AS SOON AS  
POSSIBLE.

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Handling and Disposal  
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Spill Release

Spill Release Procedures: WEARING FULL PROTECTIVE EQUIPMENT, COVER SPILL WITH  
DRY SAND OR VERMICULITE. MIX WELL & CAREFULLY TRANSFER TO A CONTAINER.

Waste Disposal Methods: CONSULT WITH STATE, LOCAL OR FEDERAL EPA REGULATIONS  
FOR PROPER DISPOSAL.

Handling And Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED. STORE IN A  
STANDARD FLAMMABLE LIQUID STORAGE CABINET. WASH THOROUGHLY AFTER USE.

Other Precautions: LAB COAT AND APRON, FLAME AND CHEMICAL RESISTANT COVERALLS,  
EYEWASH CAPABLE OF SUSTAIN

ED FLUSHING, SAFETY DRENCH SHOWER AND HYGIENIC FACILITIES FOR WASHING.

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Fire and Explosion Hazard Information  
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Flash Point Method: CC

Flash Point: =11.C, 51.8F

Flash Point Text: VERY FLAMMABLE

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS, FLAME & CHEMICAL RESISTANT CLOTHING, HATS, BOOTS & GLOVES.

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Control Measures  
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Respiratory Protection: HIGH EFFICIENCY ORGANIC VAPOR RESPIRATOR.

Ventilation: LABORATORY FUME HOOD.

Protective Gloves: IMPERVIOUS.

Eye Protection: ANIS APPROVED SAFETY GOGGLES.

Other Protective Equipment: IMPERVIOUS LAB COAT & APRON, FLAME & CHEMICAL RESISTANT COVERALLS, EYEWASH CAPABLE OF SUSTAINED FLUSHING, SAFTY DRENCH SHOWER

& HYGIENIC FACILITIES FOR WASHING.

Supplemental Safety and Health: DANGER: FLAMMABLE, IRRITATES SKIN AND EYES.

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Physical/Chemical Properties  
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HCC: F2

Boiling Point: =84.C, 183.2F

B.P. Text: METHANOL

Melt/Freeze Pt: =-97.8C, -144.F

M.P/F.P Text: METHANOL

Vapor Pres: 100 MMHG/21.2 C (METHANOL

Vapor Density: 1.11 (METH

Spec Gravity: 0.8 (METHANOL)

Solubility in Water: SOLUBLE (METHANOL)

Appearance and Odor: LIQUID/PUNGENT ODOR. (METHANOL).

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: INCOMPATIBLES.

Materials To Avoid: OXIDIZING AGENTS, PERCHLORIC ACID, METALS, CHLORATES, CARBIDES, SODIUM HYDROXIDE.

Hazardous Decomposition Products: CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information  
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Toxicological Information: ANIMAL TOXICITY: LD50: NO DATA. LC50: NO DATA.  
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Ecological Information  
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MSDS Transport Information  
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Transport Information: PER 49 CFR 172 SHIPPING DESCRIPTION: FLAMMABLE LIQUIDS,  
N.O.S. (METHANOL SOLUTION), UN 1993, LTD. QTY.  
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Regulatory Information  
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Sara Title III Information: SARA TITLE III: METHANOL, CHLOROFORM.  
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Other Information  
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Other Information: NTPA 162--NON-TOXIC PROPRIETARY AMINE.  
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Transportation Information  
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Responsible Party Cage: 1C4Z1  
Trans ID NO: 153898  
Product ID: VESSEL SOLUTION - PYRIDINE FREE  
MSDS Prepared Date: 03/01/1998  
Review Date: 07/06/2000  
MFN: 1  
Tech Entry NOS Shipping Nm: METHANOL SOLUTION, LTD. QTY.  
Net Unit Weight: 1.06 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: BT  
Container QTY: 0  
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Detail DOT Information  
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DOT PSN Code: GJJ  
Symbols: G  
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
Hazard Class: 3  
UN ID Num: UN1993  
DOT Packaging Group: II  
Label: FLAMMABLE LIQUID  
Special Provision: T8,T31  
Non Bulk Pack: 202  
Bulk Pack: 242  
Max Qty Pass: 5L  
Max Qty Cargo: 60 L  
Vessel Stow Req: B  
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Detail IMO Information  
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IMO PSN Code: HIN  
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o  
IMDG Page Number: 3230  
UN Number: 1993  
UN Hazard Class: 3.2  
IMO Packaging Group: I/II  
Subsidiary Risk Label: -  
EMS Number: 3-07  
MED First Aid Guide NUM: T

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Detail IATA Information  
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IATA PSN BV  
IATA UN ID Num: 1993  
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. \*  
IATA UN Class: 3  
IATA Label: FLAMMABLE LIQUI  
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UN Packing Group: II  
Packing Note Passenger: 305  
Max Quant Pass: 5L  
Max Quant Cargo: 60L  
Packaging Note Cargo: 307

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Detail AFI Information  
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AFI PSN BV  
AFI Symbols: \*  
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.  
AFI Hazard Class: 3  
AFI UN ID NUM: UN1993  
AFI Packing Group: II  
Special Provisions: P5  
Back Pack Reference: A7.3

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HAZCOM Label  
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Product ID: VESSEL SOLUTION - PYRIDINE FREE  
Cage: 1C4Z1  
Company Name: UMM ELECTRONICS INC. PHOTOVOLT INSTRUMENTS  
Street: 6911 HILLSDALE COURT  
City: INDIANAPOLIS IN  
Zipcode: 46250-2062  
Health Emergency Phone: 800-451-8346 (3E CO)  
Label Required IND: Y  
Date Of Label Review: 07/06/2000  
Status Code: A  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protecti

on IND: YES

Health Hazard: Severe

Contact Hazard: Moderate

Fire Hazard: Moderate

Reactivity Hazard: None

Hazard And Precautions: ACUTE: INGESTION: MAY CAUSE GI DISTURBANCE, DIZZINESS, UNCONSCIOUSNESS, BLINDNESS, & DEATH. SKIN CONTACT: CAUSES SKIN IRRITATION. EYE CONTACT: CAUSES EYE IRRITATION, POSSIBLE BLINDNESS. CHRONIC: PRODUCT CONTAINS CHLOROFORM, AN ANIMAL CARCINOGEN. EYE CONTACT: BLINDNESS. SKIN CONTACT: DRY & CRACKED SKIN. INHALATION: CNS DEPRESSION, KIDNEY & LIVER DAMAGE.

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