

UNI-KEM INTERNATIONAL INC. -- MIL-C-10578D TYPE V CORROSION RESISTANT & M --
6850-00-551-9577

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

Product ID:MIL-C-10578D TYPE V CORROSION RESISTANT & M

MSDS Date:06/04/1991

FSC:6850

NIIN:00-551-9577

MSDS Number: BMGPY

=== Responsible Party ===

Company Name:UNI-KEM INTERNATIONAL INC.

Address:513 HICKORY AVENUE

City:HARAHAN

State:LA

ZIP:70183

Country:US

Info Phone Nu

m:504-738-1623

Emergency Phone Num:504-738-1623

CAGE:4S446

=== Contractor Identification ===

Company Name:A AND B CHEMICAL AND EQUIPMENT CO

Address:2931 2ND AVE SUITE 100

Box:City:RICHMOND

State:VA

ZIP:23222

Country:US

Phone:804-329-3197

CAGE:0F8M0

Company Name:UNI-KEM INTERNATIONAL

Address:1001 HARIMAW COURT EAST

Box:City:METAIRIE

State:LA

ZIP:70001

Country:US

Phone:504-835-7600/FAX:504-835-7608

CAGE:4S446

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

Ingred Name:PHOSPH

ORIC ACID 75% (SARA III)
CAS:7664-38-2
RTECS #:TB6300000
Fraction by Wt: 62%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3/3 STEL
ACGIH TLV:1 MG/M3/3 STEL; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingrid Name:ETHYLENE GLYCOL MONOBUTYL ETHER OR 2-BUTOXYETHANOL
CAS:111-76-2
RTECS #:KJ8575000
Fraction by Wt: 1.1%
Other REC Limits:NONE SPECIFIED
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9293

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

Routes of Entry: Inhalation:Y
ES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CAN CAUSE BURNS TO EXPOSED
TISSUE. CHRONIC: IRRITATIONG TO UPPER RESPIRATORY TRACT.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY
CAUSE COUGHING, WHEEZING AND OTHER DIFFICULTIES IN BREATHING.
Medical Cond Aggravated by Expo
sure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY BE
AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.
CALL A PHYSICIAN. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER
FOR 15 MINUTES. CALL A PHYSICIAN. SKIN: WASH WITH PLENTY OF SOAP
AND WATE R. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: DO NOT

INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER OR MILK. THEN, GIVE MILK OF MAGNESIA (20 ML). IF VOMITING OCCURS, GIVE MILK EVERY 2 HOURS.

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

Flash Point:NONE

Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:TH

IS PRODUCT IS NOT FLAMMABLE, BUT IT CAN

REACT WITH METALS TO LIBERATE HYDROGEN, A FLAMMABLE GAS.

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

Spill Release Procedures:DIKE AREA AND NEUTRALIZE. SCOOP UP OR VACUUM UP. RINSE RESIDUAL TRACES WITH WATER.

Neutralizing Agent:SODA ASH

===== Handling and Storage =====

Handling and Storage Precautions:STORE AWAY FROM HEAT AND OUT OF DIRECT SUNLIGHT. IN HOT WEATHER, LOOSEN PLUGS OF STORED CONTAINERS WEEKLY OR MORE FREQUENTLY.

Other Precautions:CONTAINS MINERAL ACIDS. VAPORS HARMFUL. AVOID CONTACT WITH EYES AND SKIN. HARMFUL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN. CAUSES SEVERE BURNS. READ ALL INSTRUCTIONS CAREFULLY BEFORE USING.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED RESPIRATORS AS PER CURRENT 29 CFR

1910.134, INSTRUCTIONS/WARNINGS AND

NIOSH-RESPIRATOR DECISION LOGIC-PUBLICATION NUMBER 87.108.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST VENTILATION TO CONTROL INHALATION EXPOSURES BELOW OSHA'S PEL.

Protective Gloves:NEOPRENE OR RUBBER

Eye Protection:SAFETY GOGGLES AND FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED P

PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT GET ON SKIN, IN EYES OR ON CLOTHING. DO NOT BREATHE VAPORS OR MISTS. WASH HANDS AND FACE AFTER USE. KEEP CONTAINER CLOSED WHEN NOT IN USE.

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

HCC:C1

Boiling Pt:B.P. Text:224F,107C

Vapor Pres:LOW

Vapor Density:>1

Spec Gravity:1.312

Evaporation Rate & Reference:LOW (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance

and Odor:CLEAR, RED LIQUID, MILD PERFUME ODOR.

Percent Volatiles by Volume:50

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

Stability Indicator/Materials to Avoid:YES

REACTS WITH METALS TO LIBERATE HYDROGEN.

Stability Condition to Avoid:NONE.

Hazardous Decomposition Products:MAY EMIT FUMES OF OXIDES OF PHOSPHORUS.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. LANDFILL SUITABLE AFTER PROPER NEUTRALIZATION.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to

verify and
assume responsibility for the suitability of this information to their
particular situation.