

UNI-KEM INTERNATIONAL -- LAYOUT DYE, BLUE -- 6850-00-664-9067

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

Product ID:LAYOUT DYE, BLUE

MSDS Date:04/07/1999

FSC:6850

NIIN:00-664-9067

Status Code:A

MSDS Number: CJGXD

=== Responsible Party ===

Company Name:UNI-KEM INTERNATIONAL

Box:747

City:NEW ORLEANS

State:LA

ZIP:70004-0747

Country:US

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

Emergency Phone Num:504-835-7600

Resp. Party Other MSDS Num.:517

CAGE:4S446

=== Contractor Identification ===

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

Contract Num:SP0450-99-M-NA74

CAGE:4S446

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

Ingred Name:ISOBUTYL ACETATE

CAS:110-19-0

RTECS #:AI4025000

OSHA PEL:700 MG/M3;150 PPM

ACGIH TLV:713 MG/M3;150 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LB

S

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
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:ISOPROPYL ALCOHOL
CAS:67-63-0
RTECS #:NT8050000
OSHA PEL:980 MG/M3;400 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ISOBUTYL ISOBUTYRATE
CAS:97-85-8
RTECS #:NQ5250000

Ingred Name:ISOBUTYL ALCOHOL
CAS:78-83-1
RTECS #:NP9625000
OSHA PEL:300 MG/M3;100 PPM
ACGIH TLV:152 MG/M3;50 PPM
EPA Rpt Qty:5000 LBS
DO
T Rpt Qty:5000 LBS

Ingred Name:BUTYL BENZYL PHTHALATE
CAS:85-68-7
RTECS #:TH9990000
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:BUTYL CELLOSOLVE
CAS:111-76-2
RTECS #:KJ8575000
OSHA PEL:240 MG/M3;50 PPM
ACGIH TLV:121 MG/M3;25 PPM

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chron

ic:EYES-POSSIBLE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION. INHALED-EXCESSIVE INHALATION MAY HAVE RESULTS FROM MILD DEPRESSION TO LOSS OF CONSCIOUSNESS. SWALLOWED-POSSIBLE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.

Effects of Overexposure:EYES-POSSIBLE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION. INHALED-EXCESSIVE INHALATION MAY HAVE RESULTS FROM MILD DEPRESSION TO LOSS OF CONSCIOUSNESS. SWALLOWED-POSSIBLE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGEST-GIVE LIQUIDS & INDUCE VOMITING UNLESS VICTIM IS UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION. INHALED-NONE NORMALLY REQUIRED. EYES-IMMEDIATELY FLOOD WITH WATER FOR AT LEAST 15 MINUTES WHILE FLUSHING EYELIDS. SKIN-WASH AREA WITH SOAP & WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS. REMOVE CONTAMINATED CLOTHES & SHOES. WASH CONTAMINATED CLOTHES BEFORE REUSE. DESTROY CONTAMINATED SHOES.

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

Flash Point:=-13.9C, 57.F

Lower Limits:1.0

Extinguishing Media:NFPA CLASS B EXTINGUISHERS (CO2, FOAM OR DRY CHEMICAL)

DESIGNED TO EXTINGUISH NFPA CLASS I LIQUID FIRES.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE-PIECE OPERATED IN A PRESSURE-DEMAND MODE. WATER SPRAY WILL BE EFFECTIVE AND SHOULD BE USED TO COOL CLOSED CONTAINERS.

Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT DUE TO VAPOR PRESSURE. MATERIAL IS HIGHLY VOLATILE & READILY GIVES OFF VAPORS, WHICH MAY TRAVEL ALONG GROUND & CAUSE FLASH FIRES OR BE IGNITED

ED EXPLOSIVELY BY IGNITION SOURCES.

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

Spill Release Procedures: ABSORB WITH INERT ABSORBENT. LARGE SPILL:
CLEAN-UP PERSONNEL SHOULD WEAR PROTECTIVE BREATHING APPARATUS. DIKE
SPILL AREA TO PREVENT SPREADING & PUMP TO SCRAP STORAGE TANK.
REMAINING SPILL MAY BE ABSORBED WITH INERT ABSORBENT. AS AN ADDED
PRECAUTION, REMOVE ALL IGNITION SOURCES. AVOID CONTAMINATION OF
WATER SUPPLIES.

Neutralizing Agent: NOT EVALUATED.

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

Handling and Storage Precautions: KEEP AWAY FROM HEAT, SPARKS & FLAMES.
STORE IN TIGHTLY CLOSED, PROPERLY LABELLED CONTAINER IN A
WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS, OUT OF
DIRECT SUNLIGHT & BETWEEN 50-90°F WHEN NOT IN USE.

Other Precautions: MATERIAL CONTAINS SOME VOLATILE ORGANIC COMPOUNDS
WHICH ARE COMBUSTIBLE. AVOID BREATHING DUST, VAPORS OR SPRAY MIST.
DO NOT GET IN EYES, ON SKIN OR
CLOTHING. DO NOT EAT, DRINK OR SMOKE
IN WORK AREA. DO NOT TRANSPORT OR MEASURE CHEMICALS IN FOOD OR
BEVERAGE CONTAINERS OR USE EMPTY CONTAINER FOR FOOD OR BEVERAGE.

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

Respiratory Protection: WHEN EXPOSURE LEVELS EXCEED THE PEL, USE A
NIOSH/MESA JOINTLY APPROVED SELF-CONTAINED BREATHING APPARATUS WITH
A FULL FACEPIECE OPERATED IN PRESSURE DEMAND MODE.

Ventilation: ADEQUATE VENTILATION TO KEEP WITHIN ALLOWABLE LIMITS.

Protective Gloves: WEAR CHEMICAL AND SOLVENT GLOVES.

Eye Protection: USE CHEMICAL SPLASH-PROOF GOGGLES IN COMPLIANCE WITH
OSHA REGULATIONS.

Other Protective Equipment: NORMAL WORK CLOTHING TO COVER ARMS AND LEGS.
SOLVENT AND CHEMICAL RESISTANT BOOTS SHOULD BE WORN.

Work Hygienic Practices: DO NOT EAT, DRINK OR USE TOBACCO IN AREA. WASH
HANDS AND EXPOSED SKIN THOROUGHLY AFTER USE AND BEFORE EATING,
DRINKING OR USING TOBACCO, COSMETICS AND TOILET.

Supplemental Safety and Health

LA

UNDER AFFECTED APPAREL BEFORE REUSE. DISCARD AFFECTED LEATHER APPAREL.

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

HCC:F2

Boiling Pt:=82.2C, 180.F

B.P. Text:180 TO 302F

Vapor Density:AIR=1>1.0

Evaporation Rate & Reference:(ETHER=1):>1

Appearance and Odor:BLUE COLORED LIQUID, SLIGHT PETROLEUM ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ANY COLLECTION OF SPRAY DUST

SUCH AS SWEEPING,

FILTERS, DUCTS, ETC.

Stability Condition to Avoid:STABLE AT NORMAL ROOM TEMPERATURE.

Hazardous Decomposition Products:IF EXPOSED TO EXTREME HEAT, PRODUCT MAY FORM CARBON OXIDES AND VARIOUS HYDROCARBONS DUE TO INCOMPLETE COMBUSTION.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

ER.

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

Waste Disposal Methods:LIQUIDS MAY BE RECOVERED BY ANY EPA APPROVED METHOD. ALL SLUDGE & CONTAMIANATED ABSORBENTS MUST BE DISPOSED OF IN AN EPA APPROVED POSTED TOXIC SUBSTANCE LANDFILL. DO NOT USE CUTTING OR WELDING TORCHED ON EMPTY CONTAINERS UNLESS PROPERLY PURGED AND CLEANED. DO NOT REUSE CONTAINER.

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

Transport Information:SHIPPING NAME:

FLAMMABLE LIQUIDS, N.O.S. CLASS:

3. GROUP: III. UN 1263. DLA (HMIS:PG DOES NOT AGREE WITH FLASHPOINT OF 57F WHICH WOULD BE PG II).

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

SARA Title III Information:SARA LISTED, 313 REPORTABLE: XYLENE,
ISOPROPYL ALCOHOL, BUTYL BENZYL PHTHALATE, BUTYL CELLOSOLVE.

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

=====
===== Other Info

rmation =====

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.