UNITED PAINT MFG CO/UNITED COATINGS

 -- ELASTUFF 504, EF-504-A,PART A -- 5630-00D003553

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

Product ID:ELASTUFF 504,EF-504-A,PART A

MSDS Date:10/01/1993

FSC:5630

NIIN:00D003553

Kit Part:Y

MSDS Number: BXHRM

=== Responsible Party ===

Company Name:UNITED PAINT MFG CO/UNITED COATINGS

Address:EAST 19011 CATALDO

City:GREENACRES

State:WA

ZIP:99016

Country:US

Info Phone Num:509-926-7143/800-541-4383

Emergency Phone Num:509-926-7143

Preparer's Name:DON LILLY

CAGE:64246

=== Contractor Identification ===

Company Name:UNITED PAINT MFG CO

Address:19011 E CATALDO RD

Box:City:GREENACRES

State:WA

ZIP:99016-5000

Country:US

Phone:509-926-7143/800-835-9673

CAGE:64246

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

Ingred Name:POLYURETHANE PREPOLYMER

Fraction by Wt: 32%

Other REC Limits:NONE RECOMMENDED

Ingred Name:METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

CAS:5124-30-1

RTECS #:NQ9250000

Fraction by Wt: 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.01 PPM

ACGIH TLV:0.005 PPM; 9495

Ingred Name:METHYLENE CHLORIDE (SARA 313) (CERCLA)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 62.61%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:500 PPM; Z-2

ACGIH TLV:50 PPM, A2; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:SILICA GEL/AMORPHOUS SILICA

CAS:112945-52-5

RTECS #:VV7310000

Fraction by Wt: <5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:6 MG/M3

ACGIH TLV:10 MG/M3

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 1500-2500 MG/KG.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, CNS,

 RESPIRATORY & GI TRACTS. ACUTE- EYES:IRRITATION.

 SKIN:PROLONGED/REPEATED CONTACT CAUSES IRRITATION, DEFATTING,

 DERMATITIS. CAN BE ABSORBED THROUGH SKIN. INHALE:OVEREXPOS URE MAY

 HAVE CNS EFFECTS. ORAL:TOXICITYIS LOW. ASPIRATION HAZARD. CHRONIC-

 SKIN & RESPIRATORY TRACT SENSITIZATION.

Explanation of Carcinogenicity:CONTAINS DICHLOROMETHANE.

Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, ABDOMINAL PAIN,

 HEADACHE, DROWSINESS, DIZZINESS, RAPID HEARTBEAT, ARM AND LEG

 NUMBNESS AND TINGLING

Medical Cond Aggravated by Exposure:ALCOHOLISM, ACUTE AND CHRONIC LIVER

 AND KIDNEY DISEASES, CHRONIC LUNG AND CORONARY DISEASES, SKIN

 DISEASES

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH

 AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15

 MINUTES, HOLDING EYELIDS OPEN. CONSULT A PHYSICIAN. SKIN:REMOVE

 CONTAMINAT ED CLOTHING. WASH SKIN WITH PLENTY OF SOAP AND WATER.

 ORAL:DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

 ADRENALINE SHOULD NOT BE GIVEN TO A PERSON OVEREXPOSED TO METHYLENE

 CHLORIDE.

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

Flash Point:NONE

Lower Limits:12.0%

Upper Limits:19.0%

Extinguishing Media:CARBON DIOXIDE, WATER FOG, FOAM/DRY CHEMICAL.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED

 SELF-CONTAINED BREATHING APPARATUS. PROTECT AGAINST INHALATION OF

 CYANATE VAPORS AND OTHER DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NO FLASH POINT. FORMS FLAMMABLE VAPOR-AIR

 MIXTURES AT ABOUT 212F (100C). CONCENTRATED VAPORS CAN BE IGNITED

 BY HIGH INTENSITY IGNITION SOURCE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA.

 STOP LEAK. ABSORB SPILLS WITH INERT MATERIAL SUCH AS

 SAND/VERMICULITE. PLACE IN A SUITABLE CONTAINER. TREAT WITH DILUTE

 AMMONIUM HYDROXIDE/WATER+ALCOHOL MIXT URE. ALLOW TIME TO REACT

 BEFORE DISPOSAL.

Neutralizing Agent:AMMONIUM HYDROXIDE, WATER AND ALCOHOL MIXTURE

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

Handling and Storage Precautions:STORE IN COOL(40F-90F), DRY,

 VENTILATED PLACE AWAY FROM INCOMPATIBLES. KEEP CONTAINER CLOSED

 WHEN NOT IN USE. FILL OPENED CONTAINER WITH DRY NITROGEN.

Other Precautions:VAPORS HEAVIER THAN AIR AND WILL COLLECT IN LOW

 AREAS. WEAR RESPIRATOR BEFORE ENETERING LOW AREAS. DO NOT CUT OR

 WELD ON EMPTY OR FULL CONTAINERS. WASH THOROUGHLY AFTER HANDLING

 AND BEFORE EATING, DRI NKING. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WEAR NIOSH-APPROVED FULL FACE ORGANIC VAPOR

 RESPIRATOR. FOR VAPOR CONCENTRATIONS ABOVE 1000 PPM, USE

 SELF-CONTAINED BREATHING APPARATUS OR AIR LINE RESPIRATOR WITH FULL

 FACEPIECE.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV

 REQUIREMENTS.

Protective Gloves:VITON, POLYVINYL ALCOHOL (PVA)

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE

 CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND

 RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:T4. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART B HAS PNI

 A, NSN: 5630-00-D00-3554.

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

HCC:T4

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:104F,40C

Vapor Pres:350 @ 68F

Vapor Density:>1

Spec Gravity:1.2

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

Solubility in Water:2% @ 77F

Appearance and Odor:CLEAR VISCOUS LIQUID - MILDLY SWEET ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, STRONG BASES, OXYGEN, SODIUM, POTASSIUM AND OTHER

 REACTIVE METALS

Stability Condition to Avoid:OPEN FLAME, ELECTRIC ARCS, HOT SURFACES,

 MOISTURE

Hazardous Decomposition Products:HYDROGEN CHLORIDE, CARBON MONOXIDE,

 CARBON DIOXIDE, PHOSGENE, CHLORINE, CYANATE AND HYDROCARBONS MAY BE

 FORMED.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE

 AND FEDERAL REGULATIONS. AVOID CONTAMINATION OF GROUND AND SURFACE

 WATER. DO NOT FLUSH TO SEWER.

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