

HUMISEAL -- POLYURETHANE CONFORMAL COATING, PART B -- 5970-01-383-3866

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

Product ID:POLYURETHANE CONFORMAL COATING, PART B

MSDS Date:07/29/1994

FSC:5970

NIIN:01-383-3866

Kit Part:Y

MSDS Number: BWZTJ

=== Responsible Party ===

Company Name:HUMISEAL

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

City:WOODSIDE

State:NY

ZIP:11377

Country:US

Info Phone Num:718-932-0800

E

mergency Phone Num:718-932-0800/800-424-9300(CHEMTREC)

CAGE:IO116

=== Contractor Identification ===

Company Name:HUMISEAL

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:City:WOODSIDE

State:NY

ZIP:11377

Country:US

Phone:718-932-0800

CAGE:IO116

Company Name:HUMISEAL DIVISION/CHASE CORPORATION

Address:26-60 BROOKLYN QUEENS EXPRESSWAY WEST

Box:City:WOODSIDE

State:NY

ZIP:11377

Country:US

Phone:718-932-0800

CAGE:99109

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

Ingred Nam

e:AROMATIC POLYISOCYANATE BASED ADDUCT

Fraction by Wt: 50-56% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:PMGE ACETATE

CAS:108-65-6

RTECS #:A18295000

Fraction by Wt: 42-46% %

Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 1-3% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:

TOLUENEDIISOCYANATE (MIXED ISOMERS) (SARA III)

CAS:26471-62-5

RTECS #:NQ9490000

Fraction by Wt: < 1%

Other REC Limits:NONE RECOMMENDED

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:OPTICAL BRIGHTENER

Fraction by Wt: < 0.1%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:MAY CAUSE IRRITATION OF THE NOSE, THROAT, EYES, LUNGS AND SKIN. INHALATION MAY CAUSE DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE NARCOSIS AND ASPHYXIATION. MAY CAUSE LUNG IRRITATION AND ALLERGIC RESPONSE(DERMATITIS) OR RESPIRATORY REACTION. MAY CAUSE CARDIAC ABNORMALITIES, ORGAN DAMAGE.

Explanation of Carcinogenicity:TOLUENE DIISOCYANATE HAS BEEN DESIGNATED A POTENTIAL CARCINOGEN BY NTP AND IARC.

Effects of Overexposure:NOSE

/THROAT/EYE/LUNG/SKIN IRRITATION,

DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, NARCOSIS, ASPHYXIATION, COUGHING, CHOKING, LABORED BREATHING, ASTHMA-LIKE BREATHING, DERMATITIS, CARDIAC ABNORMALITIES, ORGAN DAMAGE.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:REMOVE SATURATED CLOTHING, WASH SKIN WITH GREEN TINCTURE OF SOAP. FLUSH EYES 15 MINUTES WITH CLEAR WATER. REMOVE PATIENT TO

FRESH AIR. CALL PHYSICIAN. PROVIDE OXYGEN IF BREATHING IS DIFFICULT. DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. NOTE TO PHYSICIAN: IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE USED

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.0 %

Upper Limits:7.0 %

Extinguishing Media:DRY CHEMICAL, FOAM, CARBON DIOXIDE. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:FIGHT AS FLAMMABLE LIQUID FIRE. WEAR SELF CONTAINED BREATHING APPARATUS. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAMES.

Unusual Fire/Explosion Hazard:VAPOR IS FLAMMABLE AND HEAVIER THAN AIR AND MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL TO REDUCE PRESSURE.

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

Spill Release Procedures:REMOVE SOURCE

CES OF IGNITION. PROVIDE

VENTILATION AND/OR RESPIRATORY PROTECTION. LARGE SPILLS MAY BE REMOVE WITH NON-SPARKING TOOLS, SMALL SPILLS WITH ABSORBENT MATERIAL. RESIDUES MAY BE CLEANED UP WITH ALCOHOL/WATER OR AMMONIA SOLUTIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AWAY FROM HEAT, SPARKS AND OPEN FLAME. GROUND CONTAINERS WHILE POURING AND LIMIT FREE FALL TO A FEW INCHES TO PREVENT STATIC SPARKS.

Other Precautions:EMPTY CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR THE CONTAINER.

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

Respiratory Protection:APPROVED RESPIRATORS FOR ATMOSPHERES CONTAINING TDI AND ORGANIC MISTS OR INDEPENDENT AIR SUPPLY.

Ventilation:LOCAL EXHAUST AND EXPLOSION PROOF MECHANICAL VENTILATION.

Protective Gloves:SOLVENT RESISTANT

Eye Protection:CHEMICAL TYPE GOGGLES

Other Protective Equipment:AN EYEWASH FOUNTAIN AND SAFETY SHOWER SHOULD BE LOCATED NEARBY WORK AREA AT ALL TIMES.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:F2

Boiling Pt:=156.C, 312.8F

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:2.0

Vapor Density:4.7

Spec

Gravity:1.15

Evaporation Rate & Reference:0.30 (BUTYL ACETATE = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LOW VISCOSITY, STRAW COLORED LIQUID WITH AROMATIC ODOR

Percent Volatiles by Volume:53-60%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:OPEN FLAMES, SPARKS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN AND ACROL

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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