

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

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

Product ID:POLYURETHANE CONFORMAL COATING, PART A

MSDS Date:07/29/1994

FSC:5970

NIIN:01-383-3866

Kit Part:Y

MSDS Number: BWZTH

=== 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

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

Ingred Nam

e:PMGE ACETATE  
CAS:108-65-6  
RTECS #:AI8295000  
Fraction by Wt: 26-30% %  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 14-21% %  
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:ETHYL ACETATE (SARA III)  
CAS:141-78-6  
RTECS #:AH5425000  
Fraction by Wt: 1-2% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM  
ACGIH TLV:400 PPM; 9192  
EPA R  
pt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:POLYESTER RESIN  
Fraction by Wt: 42-50% %  
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:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE IRRITATION OF THE NOSE,  
THROAT, EYES, LUNGS AND SKIN. INHALATION MAY CAUSE DIZZINESS,  
WEAKNE  
SS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE NARCOSIS AND  
ASPHYXIATION. MAY CAUSE LUNG IRRITATION AND A LLERGIC  
RESPONSE(DERMATITIS) OR RESPIRATORY REACTION. MAY CAUSE CARDIAC  
ABNORMALITIES, ORGAN DAMAGE.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:NOSE/THROAT/EYE/LUNG/SKIN IRRITATION,  
DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, NARCOSIS,  
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SPHYXIATION, 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 LAVARGE 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 SOURCES OF IGNITION. PROVIDE VENTILATION AND/OR RESPIRATORY PROTECTION. LARGE SPILLS MAY BE REMOVED 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 P

ROPERTIES. 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

INTENTIONAL MISUSE BY CONCENTRATING AND INHALING CAN BE FATAL.

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

HCC:F2

Boiling Pt:=141.C, 285.8F

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

Vapor Pres:14.0

Vapor Density:4.6

Spec Gravity:1.03

Evaporation Rate & Reference:1.78 (BUTYL ACETATE = 1

)

Solubility in Water:NEGLIGIBLE

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

Percent Volatiles by Volume:40-50%

===== 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 ACROLEIN

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

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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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