

RANDOLPH PRODUCTS CO -- CATALYST ALIPHATIC ISOCYANATE REACTANT, COM --  
8010-00-181-8276

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

Product ID:CATALYST ALIPHATIC ISOCYANATE REACTANT, COM

MSDS Date:08/01/1988

FSC:8010

NIIN:00-181-8276

Kit Part:Y

MSDS Number: BMPYX

=== Responsible Party ===

Company Name:RANDOLPH PRODUCTS CO

Address:701 12TH STT

Box:830

City:CARLSTADT

State:NJ

ZIP:07072

Country:US

Info Phone

Num:201-438-3700

Emergency Phone Num:201-438-3700

CAGE:77672

=== Contractor Identification ===

Company Name:RANDOLPH PRODUCTS CO

Address:701 12TH ST

Box:830

City:CARLSTADT

State:NJ

ZIP:07072-0830

Country:US

Phone:201-438-3700

CAGE:77672

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

Ingred Name:HOMOPOLYMER OF HDI

CAS:28182-81-2

RTECS #:NQ9170000

Fraction by Wt: 10 - 20%

Other REC Limits:NONE SPECIFIED

ACGIH TLV:1.0 MG/M3

Ingred Name:HEXAMETHYLENE DIISOCYANATE

CAS:822-06

-0  
RTECS #:MO1740000  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:0.02 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:PROPYLENE GLYCOL METHYL ETHER ACETATE (VAPOR PRESSURE 2.5  
MM HG @ 20 C) (LEL 1.3)  
CAS:108-65-6  
RTECS #:AI8925000  
Fraction by Wt: 35 - 45%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:100 PPM

Ingred Name:XYLENE (SARA 313) (VAPOR PRESSURE 25 MM HG @ 20 C) (LEL  
1.2)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE SPECIFIED  
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ACGIH TLV:100 PPM / 375 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:BUTYL ACETATE (VAPOR PRESSURE 14 MM HG @ 20 C) (LEL 1.7)  
CAS:123-86-4  
RTECS #:AF7350000  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE SPECIFIED  
ACGIH TLV:150 PPM / 710 MG/M3  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:MONOMER CONTENT LESS THAN 0.7%, MAY RISE TO 1.6% AFTER 3-6  
MONTHS STORAGE.  
RTECS #:9999999ZZ  
Other REC Limits:NONE SPECIFIED

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

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL: MUCOUS MEMBRANE, RESP TRACT IRRIT (BURNING SENSATION). BRONCHITIS, BRONCHIAL SPASM, PULMONARY EDEMA, HYPERSENSITIVE PNEUMONITIS. CONC/INHALING-PERM BRAIN/NERVOUS SYS DAMAGE OR DEATH. ISOCYANATE SENSITIZATION (CHEM ASTHMA), NON-SPECIFIC ASTHMATIC RESPONSES. SKIN: SKIN SENSITIZATION. EYE: IRRIT. INGEST: CORROSIVE.

Effects of Overexposure:INHAL: RUNNY NOSE, SORE THROAT, COUGH, CHEST DISCOMFORT, SHORT BREATH, REDUCED LUNG FUNCTION. CHILLS, FEVER. HEADACHE, NAUSEA, NARCOSIS, FATIGUE, APPETITE LOSS. WHEEZING, TIGHT CHEST. SKIN: RED, SWELL, RASH, SCALING, BLISTERING. ABSORP: INHAL SYMPTMS. EYE: RED, TEAR, SWELL W/STING. INGEST: ASPIRATION--CHEM PNEUMONITIS.

Medical Cond Aggravated by Exposure:ASTHMA AND ANY OTHER RESPIRATORY DISORDERS (BRONCHITIS, EMPHYSEMA, HYPERREACTIVITY), SKIN ALLERGIES, ECZEMA.

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

First Aid:REMOVE TO FRESH AIR, FLUSH EYES WITH LOTS OF WATER. CONSULT PHYSICIAN.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Lower Limits:1.2

Extinguishing Media:SAND, FOAM, CARBON DIOXIDE, CHEMICAL TYPES.

Fire Fighting Procedures:AVOID BREATHING VAPOR/FUMES. USE AIR SUPPLIED RESCUE EQUIPMENT FOR ENCLOSED AREAS. COOL EXPOSED CONTAINERS WITH WATER TO PREVENT EXPLOSION DUE TO PRESSURE.

Unusual Fire/Explosion Hazard:PREVENT FIRE, KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION, WEAR APPROVED RESPIRATOR, CONTAIN SPILL WITH INERT SUBSTANCE (SAND, DIRT), PUT MIXTURE IN CONTAINERS FOR DISPOSAL. KEEP SPILL OUT OF SEWERS AND OPEN BODIES OF WATER.

===== Handling and S

torage =====

Handling and Storage Precautions:KEEP AWAY FROM HEAT, FLAME. KEEP AWAY FROM CHILDREN. GROUND CONTAINERS AND EQUIPMENT. EMPTY CONTAINERS ARE HAZARDOUS, DO NOT CUT OR WELD.

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

Respiratory Protection:RECOMMENDED--WEAR NIOSH/MSHA APPROVED RESPIRATOR WHERE VAPOR CONCENTRATIONS ARE ENCOUNTERED.

Ventilation:EXPLOSION PROOF EXHAUST VENTILATION AT POINT OF CONTAMINANT RELEASE.

Protective Glo

ves:NEOPRENE GLOVES.

Eye Protection:GOGGLES.

Other Protective Equipment:COVERALLS & BOOTS.

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:B.P. Text:160 TO 285F

Vapor Density:> AIR

Evaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:70

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, STRONG BASES, ALCOHOLS, METAL COMPOUNDS & SURFACE ACTIVE MATERIALS.

Stability Condition to Avoid:FLAME

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, TRACES OF HCN & HDI.

Conditions to Avoid Polymerization:FLAME OR HIGH HEAT.

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

Waste Disposal Methods:ACCORDING TO CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. 21FEB92

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