

CIBA-GEIGY CORP -- RP 6401-1 RESIN -- 9330-01-225-0175

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

Product ID:RP 6401-1 RESIN

MSDS Date:06/21/1995

FSC:9330

NIIN:01-225-0175

Kit Part:Y

MSDS Number: CHQMM

=== Responsible Party ===

Company Name:CIBA-GEIGY CORP

Address:4917 DAWN AVE

City:EAST LANSING

State:MI

ZIP:48823

Country:US

Info Phone Num:517-351-5900

Emergency Phone Num:800-888-8372

CAGE:02684

=== Contractor Identification ===

Company Name:CIBA SPECIALTY CHEMICALS C
ORPORATION

Address:4917 DAWN AVE

Box:City:EAST LANSING

State:MI

ZIP:48823-5691

Country:US

Phone:517-351-5900

CAGE:02684

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

Ingred Name:METHYLENE BISPHENYL ISOCYANATE (MDI) (SARA 313)

CAS:101-68-8

RTECS #:NQ9350000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 0.02 PPM

ACGIH TLV:0.005 PPM; 9596

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:HYDROGENATED TERPHENYLS

CAS:61788-32-7

RTECS #:WZ6535000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 PPM
ACGIH TLV:0.5 PPM; 9596

Ingred Name:1,1'-METHYLENE BIS(ISOCYANATOBENZENE)
CAS:25686-28-6
Other REC Limits:NONE RECOMMENDED

Ingred Name:BENZENE, 1,1'-METHYLENEBIS(ISOCYANATO-
CAS:26447-40-5
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:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Ch

ronic:SKIN CONTACT MAY CAUSE IRRITATION,

ALLERGIC SKIN REACTION. EYE CONTACT MAY CAUSE IRRITATION. HEATED
PRODUCT MAY PRODUCE INHALABLE VAPORS WHICH MAY CAUSE RESPIRATORY
TRACT IRRITATION, RESPIRATORY SENSITIZATION.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.

Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION,
BREATHLESSNESS, CHEST DISCOMFORT, REDUCED PULMONARY
FUNCTION.

ALLERGIC SKIN & RESPIRATORY REACTIONS, SPASMS OF THE BRONCHIAL
TUBES, DIFFICULTY BREATHING.

Medical Cond Aggravated by Exposure:PERSONS WITH ASTHMATIC-TYPE
CONDITIONS, CHRONIC BRONCHITIS, OTHER CHRONIC RESPIRATORY DISEASES,
EYE CONDITIONS OR RECURRENT SKIN ECZEMA OR SENSITIZATION SHOULD BE
EXCLUDED FROM WORKING WITH ISOCYANATE

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS

OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSIST, GET MEDICAL
ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET
MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, GIVE PLENTY OF WATER TO
DRINK. DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:>230F,>110C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Ext

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS EXPOSED TO FIRE WITH WATER.

Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC. AVOID WATER CONTAMINATION IN CLOSED CONTAINERS OR CONFINED SPACES. CARBON DIOXIDE EVOLVED.

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

Spill Release P

Procedures:ABSORB WITH ABSORBENT MATERIAL AND PLACE IN OPEN TOP CONTAINER. UNDER FOOD VENTILATION DECONTAMINATE ABSORBANT AND SPILL AREA WITH A MIXTURE OF 90% WATER, 8% AMMONIA & 2% DETERGENT. LEAVE VENTILATED FOR 24 HOURS BEFORE DISPOSAL. AVOID CONTACT.

Neutralizing Agent:90% WATER, 8% AMMONIA, 2% DETERGENT

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

Handling and Storage Precautions:HARMFUL IF INHALED. CAUSES SKIN AND EYE IRRITATION. CAUSES ALLERGIC SKIN AND RESPIRATORY REACTION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

Other Precautions:AVOID BREATHING VAPOR OR MIST. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. NUISANCE DUST MAY BE GENERATED WHEN SANDING OR SAWING CURED MATERIAL.

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

Respiratory Protection:IF A PERSON IS CONCERNED WITH EXPOSURE TO ISOCYANATES, AN ORGANIC RESPIRATOR CAN PROVIDE PROTECTION AT LESS THAN THE TLV. IT IS NOT A REQUIREMENT AT AN EXPOSURE LEVEL LESS THAN THE TLV. GREATER THAN TLV WEAR AIR SUPPLIED RESPIRATOR.

Ventilation:EXHAUST VENTILATION SUFFICIENT TO KEEP AIRBORNE CONCENTRATIONS BELOW RESPECTIVE TLV'S.

Protective Gloves:IMPERVIOUS SYNTHETIC

Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER

SHOULD BE
AVAILABLE.

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

Supplemental Safety and Health

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

HCC:T4

Boiling Pt:B.P. Text:NOT GIVEN

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

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:0.11

Vapor Density:> 1

Spec Gravity:1.17 - 1.21

Viscosity:NOT GIVEN

E

vaporation Rate & Reference:NOT GIVEN

Solubility in Water:REACTS WITH WATER

Appearance and Odor:CLEAR AMBER LIQUID, ODOR NOT SPECIFIED

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

WATER, ALCOHOLS, STRONG OXIDIZING AGENTS, STRONG BASES, METAL-ORGANIC
COMPOUNDS.

Stability Condition to Avoid:AVOID PROLONGED HEATING OVER 160F OR
STORING BELOW 75F. AVOID WATER CONTAMINATION.

Hazardous Decom

position Products:CARBON MONOXIDE, CARBON DIOXIDE,
OXIDES OF NITROGEN, BENZENE, TOLUENE, HYDROGEN CYANIDE.

Conditions to Avoid Polymerization:CONTAMINATION WITH MOISTURE AND
OTHER PRODUCTS THAT REACT WITH ISOCYANATES.

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

Waste Disposal Methods:CONSULT QUALIFIED LOCAL OR CORPORATE PERSONNEL
FOR METHOD THAT WILL COMPLY WITH LOCAL, STATE AND FEDERAL HEALTH
AND ENVIRONMENTAL REGULATIONS.

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