

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
=== Cont
ractor Identification ===
Company Name:CIBA SPECIALTY CHEMICALS CORPORATION
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
CA

S: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 Carc
inogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic: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 SENSI TIZATION.
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 IR
RITATION,
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 =====

Firs

t 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

int:>230F,>110C

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

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 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

on: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 T LV 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

Evaporation 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 BASED, METAL-ORGANIC COMPOUNDS.

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

Hazardous Decomposition 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.