

M AND T CHEMICALS INC FURANE PRODUCTS DIVISION -- URALANE 5750A, INSULATING
COMPOUND KIT -- 5970-00-242-0505

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

Product ID:URALANE 5750A, INSULATING COMPOUND KIT

MSDS Date:09/28/1988

FSC:5970

NIIN:00-242-0505

Kit Part:Y

MSDS Number: BJPCX

=== Responsible Party ===

Company Name:M AND T CHEMICALS INC FURANE PRODUCTS DIVISION

Address:5121 SAN FERNANDO RD W

City:LOS AN

GELES

State:CA

ZIP:90039-1011

Country:US

Info Phone Num:818-247-6210

Emergency Phone Num:818-247-6210

CAGE:76323

=== Contractor Identification ===

Company Name:CIBA SPECIALTY CHEMICALS CORP, N. A. / PERFORMANCE
POLYMERS

Address:5121 SAN FERNANDO RD WEST

Box:City:LOS ANGELES

State:CA

ZIP:90039-1011

Country:US

Phone:818-247-6210/800-873-1138

CAGE:99384

Company Name:M AND T CHEMICALS INC SUB OF AMERICAN CAN CO

Box:1104

City:RAHWAY

State:NJ

ZIP:07065-1104

Country:US

CAGE:76323

===== Co

Composition/Information on Ingredients =====

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

CAS:101-68-8

RTECS #:NQ9350000

Fraction by Wt: 65% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:C, 0.02 PPM

ACGIH TLV:0.005 PPM; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 10% %

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:

e:OTHER COMPONENTS, HIGHER MOLECULAR WEIGHT ANALOGOUS OF MDI

Fraction by Wt: 15% %

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:INHALATION: OVEREXPOSURE CAUSES SEVERE RESPIRATORY TRACT IRRITATION. BRONCHITIS AND PULMONARY EDEMA MAY DEVELOP. RESP

IRATORY SENSITIZER. EYE CONTACT: SEVERE IRRITATION AND POSSIBLE EYE DAMAGE. SKIN: S EVERELY IRRITATING. INGESTION: HARMFUL.PROLONGED OR REPEATED EXPOSURE CAN CAUSE LIVER, KIDNEY AND CNS EFFECTS.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALATION: IRRITATION OF RESPIRATORY TRACT AND DMUCOUS MEMBRANE, TIGHTNESS OF CHEST, SHORTNESS OF BREATH, COUGHING AND HEADACHES, ASTHMA

-LIKE ATTACKS. EYE CONTACT: SEVERE IRRITATION,
POSSIBLE EYE DAMAGE. SKIN: SEVERELY IRRITATING, ALLERGIC REACTION.
INGESTION: POSSIBLY HARMFUL IF SWALLOWED.
Medical Condition Aggravated by Exposure: ALLERGY, ECZEMA OR RESPIRATORY
CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.

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

First Aid: INHALATION: MOVE SUBJECT TO FRESH AIR. GIVE OXYGEN IF
BREATHING IS DIFFICULT. EYE AND SKIN CONTACT: FLUSH EYES WITH LARGE
AMOUNT OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL
ATTENTION. WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE AND
WASH CLOTHING BEFORE REUSE. INGESTION: IF SWALLOWED, DILUTE BY
GIVING 2 GLASSES OF WATER TO DRINK. SEE A PHYSICIAN.

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

Flash Point Method: CC
Flash Point: 44.6F, 7.0C
Lower Limits: 1.2 %
Upper Limits: 7.0 %
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY, FOAM.
Fire Fighting Procedures: WEAR BREATHING APPARATUS (MSHA/NIOSH-APPROVED,
PRESSURE DEMAND, SELF-CONTAINED OR EQUIVALENT) AND FULL PROTECTIVE
GEAR. KEEP WATER OUT OF CONTAINERS.
Unusual Fire/Explosion Hazard: VAPOR CAN TRAVEL TO A SOURCE OF IGNITION
AND FLASH BACK. REACTS WITH WATER TO FORM CARBON DIOXIDE. AVOID
BREATHING VAPORS OF FIRE EXPOSED MATERIAL.

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

Spill Release Procedures: ELIMINATE IGNITION SOURCES. EVACUATE THE SPILL
AREA. WEAR PROTECTIVE CLOTHING. ABSORB SPILL WITH INERT MATERIAL.
TRANSFER TO CONTAINERS SUITABLE FOR DISPOSAL. REMOVE CONTAMINATED
CLOTHING PROMPTLY. MAY CONTAMINATE GROUNDWATER, WATERWAYS.
Neutralizing Agent: DECONTAMINANT LIQUID WATER-90%, AMMONIUM
HYDROXIDE-8%, DETERGENT-2%.

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

Handling and Storage Precautions: STORE AT TEMPERATURES BETWEEN 23C AND
50C. LIMIT INDOOR STORAGE TO APPROVED AREAS EQUIPPED WITH AUTOMATIC
SPRINKLERS.

USE INERT GAS BLANKETING FORBULK

Other Precautions:MAY CAUSE ALLERGIC REACTION. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. THIS IS PART "A" OF A TWO PART KIT.

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

Respiratory Protection:WEAR RESPIRATOR (MSHA/NIOSH-APPROVED) SUITABLE FOR CONCENTRATIONS AND TYPES OF AIR CONTAMINANTS ENCOUNTERED (ORGANIC VAPOR CARTRIDGE).

Ventilation:MECHANICAL OR LOCAL EXHAUST AT POINT OF CONTAMINANT RELEASE

Protective Gloves:IMPERVIOUS-LATEX

Eye Protection:CHEMICAL SPLASH GOGGLES (ANSI Z-87.1)

Other Protective Equipment:PROTECTIVE CLOTHING, EYEWASH FACILITY, SAFETY SHOWER.

Work Hygienic Practices:REMOVE ANY CONTAMINATED CLOTHING PROMPTLY AND WASH AFFECTED AREAS WITH SOAP AND WATER.

Supplemental Safety and Health

NOTE TO PHYSICIAN: ALLERGIC DERMATITIS OR RESPIRATORY RESPONSE IN SUSCEPTIBLE INDIVIDUALS MAY BE DELAYED. IT MAY APPEAR AFTER WEEKS OR EVEN MONTHS OF FREQUENT AND PROLONGED CONTACT.

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

HCC:F2

Vapor Pres:22

Vapor Density:8.6 EST.

Spec Gravity:1.2

Evaporation Rate & Reference:4.5 (REF UNKNOWN)

Solubility in Water:REACTS WITH WATER

Appearance and Odor:YELLOW COLOR LIQUID, AROMATIC SOLVENT ODOR

Percent Volatiles by Volume:10 %

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

Stability Indicator/Materials to Avoid:YES

WATER, STRONG BASES, ALCOHOLS, AMINES, OXIDIZING AGENTS AND

CARBOXYLIC
ACIDS.

Stability Condition to Avoid:AVOID PROLONGED HEATING OVER 60C OR
STORAGE BELOW 23 C.

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

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION MAY OCCUR.
AVOID CONTACT WITH MOISTURE AND OTHER REACTIVE MATERIALS.

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

Waste Disposal Methods:FOR DISCARD THIS IS A HAZARDOUS WASTE (RCRA
#D001). I
INCINERATE OR DISPOSE IN ACCORDANCE WITH ALL APPLICABLE
LOCAL, STATE, AND FEDERAL REGULATIONS.

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