

MATERIAL SAFETY DATA SHEET

COMPOSITE POLYMER DESIGN
 P BOX 58
 949 S. CONCORD
 S. ST. PAUL, MN 55075
 800-755-8568

PRODUCT: CPD 9130 PART B

HAZARDOUS
 MATERIAL
 IDENTIFICATION
 SYSTEM

HEALTH HAZARD	3-SERIOUS
FLAMMABILITY HAZARD	1-SLIGHT
REACTIVITY HAZARD	0-
PERSONAL PROTECTION	G-GLASSES, GLOVES ORGANIC VAPOR MASK

SECTION I. MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: CPD 9130 PART B

DESCRIPTION: POLYURETHANE CURATIVE
 MSDS REVISION DATE: FEBRUARY 19, 1998

CAS: MIXTURE

SHIPPING NAME (49 CFR 172.101): TOXIC, LIQUID, ORGANIC, N.O.S.
 (METHYLENE DIANILINE MIXTURE)

D.O.T. HAZARD CLASS: 6.1

D.O.T. ID NO. (49 CFR 172.101): UN2810

D.O.T. PACKING GROUP: III

D.O.T. LABEL REQUIRED (49 CFR 172.101): KEEP AWAY FROM FOOD

D.O.T. HAZARDOUS SUBSTANCE (PRODUCT RQ): NONE

FOR CHEMICAL EMERGENCIES CALL CHEMTREC 1-800-424-9300

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENT NAME:	CAS NUMBER	PERCENT	EXPOSURE LIMITS
4,4' METHYLENE DIANILINE (1)	101-77-9	25-35	10 PPB TWA (OSHA) 100 PPB STEL (OSHA) 5 PPB ACTION LEVEL (OSHA) 100 PPB TWA (ACGHI) SKIN NOTATION
POLYMETHYLENE POLYPHENYL (POLYALKYLPHENYL) AMINE	252-14-70-4 69178-40-1	15-25	NOT ESTABLISHED
N-METHYLPROLIDONE (NMP)	872-50-4	32-42	NOT ESTABLISHED

CARCINOGEN LISTINGS BY OSHA, NTP OR IARC (1) OSHA-YES NTP-YES IARC-YES

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SECTION III. PHYSICAL DATA

APPEARANCE AND ODOR: AMBER LIQUID, WITH A FAINT ODOR.
BOILING POINT: NOT AVAILABLE DENSITY (G/M): 1.10
VOC (GRAMS/LITER): 45 A/B MIXED MELTING POINT: NOT AVAILABLE

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT & METHOD OF DETERMINATION: 202°F PMCC
EMERGENCY RESPONSE: NOT LISTED IN THE DOT 1990 EMERGENCY RESPONSE GUIDEBOOK
MEANS OF EXTINCTION: USE DRY CHEMICAL OR CO₂ FOR SMALL FIRES AND WATER & FOAM FOR LARGE ONES.
SPECIAL FIRE HAZARDS: SINCE VAPORS ARE EXCEEDINGLY IRRITATING WHEN INHALED, A SELF CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE TO FIREMEN.

SECTION V. REACTIVITY DATA

MATERIAL IS STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
CHEMICAL INCOMPATIBILITIES: STRONG OXIDIZERS.
CONDITIONS TO AVOID: AVOID CONTACT WITH WATER, ALCOHOL, STRONG BASES, METAL COMPOUNDS OR SURFACE ACTIVE MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, ANILINE AND NITROGEN OXIDES.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI. HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF EXPOSURE: SKIN- YES INHALATION- YES INGESTION- NO
OVEREXPOSURE EFFECTS: SUSPECTED CANCER HAZARD: CONTAINS 4,4'-METHYLENEDIANILINE WHICH MAY CAUSE CANCER. THE RISK DEPENDS ON THE LENGTH AND LEVEL OF EXPOSURE. CHRONIC CONTACT OR INHALATION MAY ALSO CAUSE LIVER DAMAGE AND

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BREATHING PROBLEMS.

ACUTE EFFECT(S): MAY BE TOXIC IF SWALLOWED. MAY STAIN SKIN. MAY LEAD TO MUCOUS MEMBRANE IRRITATION, TIGHTNESS OF CHEST, RESPIRATORY TRACT IRRITATION, COUGHING, HEADACHE, AND SHORTNESS OF BREATH.

CHRONIC EFFECT(S): HARMFUL TO THE LIVER OR KIDNEYS IF INHALED, SWALLOWED, OR ABSORBED THROUGH THE SKIN. MAY CAUSE LUNG SENSITIZATION AND/OR DERMATITIS.

FIRST AID:

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. CONTACT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: IMMEDIATELY WASH WITH SOAP AND WATER. WASH CONTAMINATED CLOTHES AND DESTROY CONTAMINATED SHOES.

INHALATION: REMOVE TO FRESH AIR. NOT LIKELY TO BE PROBLEM, EXCEPT UNDER CONDITIONS OF SPRAY, AND/OR HEAT. CONTACT PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. CONTACT PHYSICIAN OR REGIONAL POISON CONTROL CENTER IMMEDIATELY.

SECTION VII. SPILL, LEAK, AND DISPOSAL INFORMATION

SPILL / LEAK PROCEDURES: IN CASE OF SPILL, CONTAIN WITH A SUITABLE DIKING MATERIAL. VENTILATE THE AREA THOROUGHLY. KEEP ALL UNNECESSARY PEOPLE AWAY. SPILLED MATERIAL SHOULD BE ABSORBED IN SAWDUST, SAND OR OTHER ABSORBENT. PLACE INTO OPEN-TOPPED CONTAINERS AND COVER LOOSELY; STORE FOR AT LEAST 12 HOURS BEFORE SEALING CONTAINER.

WASTE DISPOSAL: DISPOSAL SHOULD BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL ENVIROMENTAL CONTROL REGULATIONS.

RCRA WASTE NUMBER: None

CERCLA HAZARDOUS SUBSTANCES & RQ: 4,4' METHYLENEDIANILINE RQ:1 POUND

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SARA 13 INFORMATION: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

4,4' METHYLENEDIANILINE (MDA)
N-METHYLPYRROLIDONE

SECTION VIII. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: WEAR SPLASH-PROOF CHEMICAL GOGGLES
GLOVES: IMPERVIOUS SYNTHETIC GLOVES
RESPIRATOR: NORMALLY NOT NEEDED IN OPEN, WELL-VENTILATED AREAS. IN CONFINED, UN-VENTILATED AREAS, USE ORGANIC VAPOR RESPIRATOR IF TLV IS NOT EXCEEDED. FOR EXPOSURE IN EXCESS OF THE TLV, AN AIR SUPPLIED RESPIRATOR WOULD BE REQUIRED.

SAFETY STATIONS: PROVIDE EYEWASH AND IMPERVIOUS APRON IF BODY CONTACT WITH PRODUCT MAY OCCUR.

WORKPLACE CONSIDERATIONS:

CONTAMINATED EQUIPMENT: ALWAYS WASH ALL CONTAMINATED CLOTHING AND EQUIPMENT BEFORE USE.

VENTILATION: AVOID INHALATION OF VAPORS. PROVIDE SUFFICIENT MECHANICAL VENTILATION (LOCAL OR GENERAL EXHAUST) TO MAINTAIN EXPOSURE BELOW TLV. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. THIS MATERIAL SHOULD BE CONFINED AS FAR AS POSSIBLE WITHIN SEALED OR COVERED EQUIPMENT IN WHICH CASE NORMAL ROOM VENTILATION SHOULD BE ADEQUATE. SPECIAL (LOCAL) VENTILATION WILL BE NEEDED IN AREAS WHERE VAPORS ARE EXPECTED TO BE VENTED.

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SECTION IX. SPECIAL PRECAUTIONS

STORAGE SEGREGATION: STORE AWAY FROM WATER AND STRONG OXIDIZERS.

SPECIAL HANDLING / STORAGE: KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
KEEP CONTAINERS FROM EXCESSIVE HEAT AND FREEZING.
PROVIDE VENTILATION IN STORAGE AREA. KEEP OUT OF
REACH OF CHILDREN. DO NOT STORE AT TEMPERATURES
ABOVE 85F.

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY ACCEPTABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE IF THEY ARE APPROPRIATE.