MATERIAL SAFETY DATA SHEET

CIBA-GEIGY CORPORATION
FORMULATED MATERIALS GROUP
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(800) 888-8372

SECTION I - IDENTITY INFORMATION

IDENTITY (TRADE NAME): REN SHAPE (R) 450

FAMILY/ CHEMICAL NAME:
CURED POLYURETHANE
PRODUCT TYPE:
MODELING STOCK

IMPORTANT:

* THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS
* FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES OR
* ABRASED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY, IS
* SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF
* SUCH POTENTIAL USES, CIBA-GEIGY CORPORATION IS NOT ABLE
* TO RECOMMEND THIS MATERIAL AS SAFE AND EFFECTIVE FOR
* SUCH USES AND ASSUMES NO LIABILITY FOR ANY SUCH USES.

HAZARD STATEMENT:

* THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN
* PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD
* THIS PRODUCT IS NOT CONSIDERED TO BE A HAZARDOUS
* CHEMICAL UNDER THAT STANDARD.

SECTION II - HAZARDOUS INGREDIENTS

THE COMPONENTS OF THIS PRODUCT ARE NOT CONSIDERED TO BE
HAZARDOUS AS DEFINED BY THE OSHA HAZARD COMMUNICATION

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SECTION III - PHYSICAL DATA

APPEARANCE:
BROWN SOLID.

PERCENT VOLATILE:
0%

0 GRAMS/LITER VOC (STATE OF CALIFORNIA)

SOLUBILITY IN WATER:
INSOLUBLE.

SPECIFIC GRAVITY:
0.67 (WATER = 1)

VOLATILE ORGANIC COMPOUND:
0 LBS/GALLON

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

NFPA CODE:
HEALTH : 0
FIRE : 1
REACTIVITY : 0

EXTINGUISHING MEDIA:
CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER.

FIRE FIGHTING PROCEDURES - SPECIAL:
USE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

SECTION V - REACTIVITY DATA

STABILITY:
STABLE.

CONDITIONS TO AVOID:
EXCESSIVE HEAT FOR PROLONGED PERIODS OF TIME.

INCOMPATIBILITY:
STRONG OXIDIZERS, ACIDS AND BASES.

HAZARDOUS DECOMPOSITION PRODUCTS:
COMBUSTION MAY FORM TOXIC MATERIALS. CARBON MONOXIDE, CARBON DIOXIDE, BENZENE, TOLUENE, OXIDES OF NITROGEN, HYDROGEN CYANIDE.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE:
DERMAL OR INHALATION

THRESHOLD LIMIT VALUE:
THIS ARTICLE IS NOT CONSIDERED TO BE HAZARDOUS.

EYE IRRITATION:
DUST DUE TO MACHINING MAY CAUSE IRRITATION.

OVEREXPOSURE EFFECTS:
CURVED POLYURETHANE RESINS ARE PRACTICALLY INERT SUBSTANCES WITH NO DEGREE OF TOXICITY.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

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SKIN AND EYE CONDITIONS:
EMERGENCY AND FIRST AID PROCEDURES—EYES:
IMMEDIATELY: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.
CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES—SKIN:
WASH WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING AND 
LAUNDER BEFORE RE-USE.

EMERGENCY AND FIRST AID PROCEDURES—INGESTION:
IF CONSCIOUS, GIVE PLENTY OF WATER TO DRINK. DO 
NOT INDUCE VOMITING. CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES—INHALATION:
REMOVE TO FRESH AIR. GIVE OXYGEN AND/OR ARTIFICIAL 
RESPIRATION, IF NEEDED. CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES—OTHER:
REFERRAL TO A PHYSICIAN IS RECOMMENDED IF THERE IS ANY 
QUESTION ABOUT THE SERIOUSNESS OF ANY INJURY.

SECTION VII—SPILL OR LEAK PROCEDURES

SPILL PROCEDURES:
SWEEP UP INTO APPOINTED DISPOSAL CONTAINER.
THOROUGHLY VACUUM AREA. DO NOT CREATE DUSTY CONDITION.

WASTE DISPOSAL METHODS:
CONSULT QUALIFIED LOCAL OR CORPORATE PERSONNEL FOR METHOD 
THAT WILL COMPLY WITH LOCAL, STATE AND FEDERAL HEALTH AND 
ENVIRONMENTAL REGULATIONS.

SECTION VIII—SPECIAL PROTECTION INFORMATION

VENTILATION:
GENERAL MECHANICAL AND LOCAL EXHAUST IN ACCORDANCE WITH 
ACGIH RECOMMENDATIONS.

PROTECTIVE GLOVES:
WEAR GLOVES AS A STANDARD HANDLING PROCEDURE.

EYE PROTECTION:
WEAR CHEMICAL GOGGLES TO PROTECT AGAINST DUST PARTICLES.

RESPIRATORY PROTECTION:
USE NIOSH APPROVED DUST MASK, IF REQUIRED.

SECTION IX—SPECIAL PRECAUTIONS

HMIS CODE:
HEALTH: 0       FIRE: 1       REACTIVITY: 0

HANDLING, SHIPPING AND STORING PRECAUTIONS:
CAUTION AVOID DUSTY CONDITIONS. USE WITH ADEQUATE 
VENTILATION. AVOID BREATHING DUST.
IN ACCORD WITH GOOD INDUSTRIAL PRACTICE, HANDLE 
WITH DUE CARE. AVOID CONTACT WITH EYES, SKIN, 
AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

HANDLING PRECAUTIONS:
NUISANCE DUST MAY BE GENERATED WHEN SANDING OR SAWING 
CURED MATERIAL.

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SECTION X-REGULATORY INFORMATION

RCRA STATUS:
NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261).

SARA/TITLE III - TOXIC CHEMICALS LIST:
THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL 'TOXIC CHEMICAL RELEASE REPORTING' UNDER SEC. 313 (40 CFR 372).

TSCA INVENTORY STATUS:
CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

PENNSYLVANIA RIGHT-TO-KNOW ACT:
THE FOLLOWING IS REQUIRED COMPOSITION INFORMATION:

CHEMICAL NAME: SPECIFIC CHEMICAL IDENTITY OF THIS COMPONENT IS BEING WITHHELD AS TRADE SECRET.

GENERIC NAME: CURED POLYURETHANE BOARD

COMMENTS: NOT ON PENNSYLVANIA HAZARDOUS SUBSTANCE LIST.

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FOR FURTHER INFORMATION, PLEASE CONTACT: PRODUCT SAFETY DIX

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