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11/14/91SUPERSEDES
11/11/91

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNDNYMS N/A	TRADE NAME & SYNDNYMS N-O-SLIP
CHEMICAL FAMILY EPOXY RESIN	FORMULA X<--MIXTURE
MANUFACTURERS NAME: CERTIFIED LABS, DIV. OF NCH CORP.	
ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE) BOX 152170 IRVING, TEXAS 75015	
PREPARED BY: M DICKSON/CHEMIST	PRODUCT CODE NUMBER 4903
EMERGENCY TELEPHONE NUMBER 214-438-1381	

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV	PEL	CAS#
PART A: DIGLYCIDYL ETHER/BIS-PH ENOL A	IRRITANT	N/E 1.	N/E 5.	25068-38-6
TOLUENE	FLAM	100PPM 1.	300PPM 5.	108-88-3
ALUMINUM OXIDE, NONFIBROUS	NUIS PART	10MG/M3 1.	15MG/M3 5.	1344-28-1
ALUMINUM SILICATE	NUIS PART	10MG/M3 1.	15MG/M3 5.	1332-58-7
PART B: AMINO METHYL PHENDL	IRR.	N/E 1.	N/E 5.	90-72-2
TOLUENE	FLAM.	100PPM 1.	300PPM 5.	108-88-3
TITANIUM DIOXIDE	NUIS PART	10MG/M3 1.	15MG/M3 5.	13463-67-7

N-O-SLIP

(CONTINUED)

SECTION II- HAZARDOUS INGREDIENTS

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SILICON DIOXIDE (CRYSTAL)	CAR 4.	.1MG/M3 1.	10 MG/M3 5	14808-60-7
ALUMINUM SILICATE	NUIS.PART.	10MG/M3 1.	15MG/M3 5.	1332-58-7
BENTONITE	NUIS PART	10MG/M3 1.	15MG/M3 5.	71011-27-3
PART C: ALUMINUM OXIDE, NONFIB ROUS	NUIS.PART.	10MG/M3 1.	15MG/M3 5.	1344-28-1
PARTS A & B: CALCIUM CARBONATE	NUIS.PART.	10MG/M3 1.	15MG/M3 5.	471-34-1

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	230	SPEC GRAVITY (H2O=1)	:N/A
VAPOR PRESSURE (MM HG)	3	COLOR	WHITE TO BLUE
VAPOR DENSITY (AIR=1)	3	ODOR	PUNGENT/TOLUENE
PH @ 100%	N/A	CLARITY	SOLID PASTE
PERCENT VOLATILE BY VOLUME (%)	8	EVAPORATION RATE (BU AC = 1)	1.5
SOLUBILITY IN WATER	NEGLIGIBLE		
VISCOSITY	VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED) 105/60 FP.M.	FLAMMABLE LIMITS	LEL	UEL
		N/A	N/A
EXTINGUISHING MEDIA X<--FOAM	"ALCOHOL" X<--CO2	DRY X<--CHEMICAL	WATER X<--SPRAY
			X<--OTHER
SPECIAL FIRE FIGHTING PROCEDURES REACTED EPOXY IS NOT FLAMMABLE. ALWAYS WEAR A SELF-CONTAINED BREATHING APPARATUS WHEN FIGHTING PETROLEUM SOLVENT FIRES.			

UNUSUAL FIRE & EXPLOSION HAZARDS

N/A

NFPA HAZARD RATING (0=INSIGNIFICANT, 1=SLIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME):
 2 <--HEALTH 3 <--FLAMMABILITY 0 <--REACTIVITY <--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE :

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

- ACUTE - (SHORT TERM EXPOSURE)
 MAY CAUSE SEVERE SKIN INJURY (REDDENING & SWELLING). MAY CAUSE CHEMICAL BURNS IN THE EYE WITH IRREVERSIBLE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. SWALLOWING CAN CAUSE NAUSEA, DIARRHEA, CRAMPING AND WEAKNESS. ASPIRATION OF SOLVENT INTO LUNGS COULD LEAD TO DEATH.
 - CHRONIC - (LONG TERM EXPOSURE)
 PROLONGED CONTACT WITH SKIN MAY CAUSE SENSITIZATION AND ALLERGENIC RESPONSES. PROLONGED BREATHING OF VAPORS CAN LEAD TO SAME EFFECTS AS INGESTION. CHRONIC OVEREXPOSURE TO TOLUENE CAN LEAD TO DAMAGE OF THE CENTRAL NERVOUS SYSTEM INCLUDING PERMANENT BRAIN DAMAGE AS WELL AS DAMAGE TO THE LIVER, KIDNEYS, LUNGS AND BLOOD. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: RESPIRATORY, SKIN, LIVER, KIDNEY, AND BLOOD CONDITIONS. TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM, CENTRAL NERVOUS SYSTEM, LIVER AND KIDNEYS.
 CHRONIC INHALATION OF SILICON DIOXIDE HAS BEEN IMPLICATED IN DELAYED LUNG INJURY (SILICOSIS). STUDIES INDICATE THAT PERSONS DIAGNOSED WITH SILICOSIS HAVE AN INCREASED RISK OF LUNG CANCER. 4. THIS HAZARD WOULD APPLY DURING SANDING.

PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION X<-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION :
 GET PERSON OUT OF CONTAMINATED AREA TO FRESH AIR. IF BREATHING HAS STOPPED, ARTIFICIAL RESPIRATION SHOULD BE STARTED. OXYGEN MAY BE ADMINISTERED, IF READILY AVAILABLE. SEEK MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:
 FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. TREATMENT IS MOST EFFECTIVE WITHIN ONE MINUTE.

SKIN CONTACT:
 THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. APPLY EMOLLIENT RICH CREAM.

INGESTION :
 DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

NOTES TO PHYSICIAN :
 GASTRIC LAVAGE IS INDICATED. DO NOT INDUCE VOMITING.

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC X<--YES NTP <--YES OSHA <--YES ACGIH <--YES OTHER X<--YES
 <--NO X<--NO X<--NO X<--NO X<--NO

DIGLYCIDIAL ETHER OF BISPHENOL A 2,4,6 TRI(DIMETHYLAMINO METHYL) PHENOL
 SKN-RBT 500MG OPEN MILD 2. ORL-RAT LD50: 2.5G/KG 3.
 EYE-RBT 2MG 124H SEVERE 2. SKN-RBT LD50: 1.2G/KG 3.
 ORL-RAT LD50: 11GM/KG 2. SKN-RAT LD50: 1280MG/KG 3.
 EYE-RBT 50UG/24H/SEVERE 3.
 SKN-RBT 500MG/24H/SEVERE 3.

TOLUENE
 IHL-HMN TCLO: 200PPM:CNS 2. SILICON DIOXIDE
 IHL-MAN TCLO: 100PPM:PSY 2. IPR-RAT TDLO:45MG/KG TFX:CAR 2.
 ORL-RAT LD50: 5000MG/KG 2. IPL-RAT TDLO:90MG/KG TFX:CAR 2.
 EYE-HMN: 300PPM 2.

THIS INGREDIENT MAY CONTAIN CONTAMINANTS WHICH ARE LISTED BY PROPOSITION 65 AS CARCINOGENS.
 FOR TEXAS-VOLATILE ORGANIC COMPOUND(VOC): PART A:90G/L, PART B:245G/L. IN EPIDEMIOLOGICAL STUDIES, AN EXCESS IN RESP CANCER AND NON-MALIGNANT RESP DISEASE MORTALITY OBSERVED IN WORKERS EXPOSED TO FIBROUS (NY) TALC AND EXCESS NON-MALIGNANT DISEASE MORTALITY OBSERVED IN THOSE EXPOSED TO NON-FIBROUS (VERMONT) TALC. 6.

SECTION VII - REACTIVITY DATA

STABILITY | X<--STABLE <--UNSTABLE | CONDITIONS TO AVOID

PART A AND B WILL HARDEN AND GENERATE HEAT.

INCOMPATIBILITY (MATERIALS TO AVOID)

OTHER EPOXY RESINS, ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE AND OXIDES OF NITROGEN

HAZARDOUS | WILL NOT MAY | CONDITIONS TO AVOID
 <--OCCUR X <--OCCUR

POLYMERIZATION | COMBINING WITH ANY OTHER EPOXY RESIN. REACTION OF OUR PART A & B DOES NOT CONSTITUTE A HAZARDOUS POLYMERIZATION.

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 ELIMINATE ALL IGNITION SOURCES. USE ABSORBANT SUCH AS PAPER, VERMICULITE,
 ETC. TO CONTAIN SPILL. DO NOT FLUSH TO SEWER. PLACE INTO LABELED
 CONTAINERS.

WASTE DISPOSAL METHOD
 DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL POLLUTION
 REGULATIONS.

NEUTRALIZING AGENT

N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
 LOCAL EXHAUST RECOMMENDED TO KEEP AIR CONCENTRATION WELL BELOW
 ESTABLISHED TLV.

RESPIRATORY PROTECTION
 TYPICAL USAGE OF PRODUCT DOES NOT REQUIRE THE USE OF A RESPIRATOR.
 HOWEVER, IN AN EMERGENCY SITUATION USE A NIOSH APPROVED ORGANIC
 VAPOR OR AIR-LINE RESPIRATORS. USE A SELF CONTAINED BREATHING
 APPARATUS IN CONFINED SPACES.

PROTECTIVE GLOVES
 RUBBER GLOVES IF REPEATED OR PRO-
 LONGED SKIN CONTACT IS ANTICIPATED.

EYE PROTECTION
 CHEMICAL GOGGLES IF METHOD OF USE PRESENTS THE
 LIKELIHOOD OF EYE CONTACT.

OTHER PROTECTION
 RUBBER APRON IF EXPOSURE IS EXPECTED.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
120 F. <--MAX 32 F. <--MIN	X			

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
 STORE AT MODERATE TEMPERATURES. AVOID CONTACT
 WITH SKIN. KEEP AWAY FROM HEAT AND OPEN FLAMES.

OTHER PRECAUTIONS
 KEEP OUT OF REACH OF CHILDREN.
 READ ENTIRE LABEL BEFORE USING PRODUCT.

CHEMICAL NAME	C.A.S. NUMBER	UPPER % LIMIT
N/A		

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF
 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF
 1986 AND 40 CFR PART 372.

IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT
 FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE
 JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS
 MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND
 LABELED FOR MAINTAINING MOTOR VEHICLES.

CALIFORNIA PROPOSITION 65
 WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF
 CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
 NONE

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS	<--TARIFF 6 D	<--IATA	<--MILITARY AIR (AFR 71-4)
<--49 CFR <--IMCO			

SHIPPING NAME

HAZARD CLASS	ID NUMBER	REPORT QTY

LABELS	LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER	NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

SECTION XIII - REFERENCES

- THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND
 BIOLOGICAL EXPOSURE INDICES, ACGIH, 1990-1991.
- DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION,
 N. IRVING SAX AND RICHARD J. LEWIS, SR.

- 3. NIOSH REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES 1982.
4. INTERNATIONAL AGENCY FOR RESEARCH ON CANCER.
5. OSHA, PEL.
6. SELEVAN, BROWN; TOXICOLOGY RESEARCH PROJECTS DIRECTORY 4(3) (1979).

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION, HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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