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SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS N/A TRADE NAME & SYNONYMS STEEL FILLED EPOXY STICK
 CHEMICAL FAMILY EPOXY STICK FORMULA X<--MIXTURE
 MANUFACTURERS NAME: DYNA SYSTEMS A PARTSMASTER CO DIV OF NCH
 ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
 P.O. BOX 655326
 DALLAS, TEXAS 75265-5326
 PREPARED BY: RICHARD STOLLEY/T.S.CHEM. PRODUCT CODE NUMBER 22100050 EMERGENCY TELEPHONE NUMBER 214-438-1381

SECTION II- HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS AS THE PRODUCT MIXTURE HAS NOT BEEN TESTED AS A WHOLE.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV	PEL	CAS#
BASE: DIGLYCIDIAL ETHER OF BIS	IRRITANT	5 MG/M3 1.	NOT EST. 2	25085-99-8
PHENOL A				
2,4,6 TRI(DIMETHYLAMINO				
METHYL PHENOL) *	IRRITANT	5PPM 1.	NOT EST. 2	90-72-2

SECTION IIA - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NO TRADE

STEEL FILLED EPOXY STICK

(CONTINUED) SECTION IIA - NON-HAZARDOUS INGREDIENTS PAGE : 02

SECRET REGISTRY # 409363-5043P

SECTION III - PHYSICAL DATA

BOILING PT. (FAHRENHEIT)	B: >250 F	SPEC GRAVITY (H2O=1)	>1
VAPOR PRESSURE (MM HG)	N/A	COLOR	A: LT. GRAY B: DRK GRAY
VAPOR DENSITY (AIR=1)	>1	ODOR	MERCAPTAN LIKE
PH @ 100%	N/A	CLARITY	OPAQUE
PERCENT VOLATILE BY VOLUME (%)	NIL	EVAPORATION RATE (BU AC = 1)	N/A
SOLUBILITY IN WATER	NEG.		
VISCOSITY	PUTTY		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)	A: >250 FCLOSED CUP	FLAMMABLE LIMITS	N/A LEL	N/A UEL
EXTINGUISHING MEDIA	"ALCOHOL" X<--FOAM	DRY X<--CHEMICAL	WATER <--SPRAY	<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
 WEAR NIOSH/MSHA APPROVED RESPIRATOR WHEN FIGHTING FIRES IN CONFINED AREAS
 TO PROTECT FROM ACID SMOKE, FUMES AND HAZARDOUS DECOMPOSITION PRODUCTS.

UNUSUAL FIRE & EXPLOSION HAZARDS
 NONE KNOWN

NIHA HAZARD RATING (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME):
 2 <--HEALTH 1 <--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)
 PROLONGED OR REPEATED EXPOSURE MAY CAUSE SKIN SENSITIZATION. IN SENSITIVE INDIVIDUALS CONTACT MAY CAUSE SKIN IRRITATION. THIS PRODUCT IS BOTH MECHANICALLY IRRITATING AND CHEMICALLY IRRITATING TO THE EYES. INHALATION IS NOT A HAZARD IN NORMAL USE HOWEVER THIS PRODUCT GIVES OFF TOXIC FUMES WHEN BURNED OR WELDED. INGESTION MAY LEAD TO GASTRIC IRRITATION WITH NAUSEA AND VOMITING.

- CHRONIC - (LONG TERM EXPOSURE)
 PROLONGED SKIN CONTACT CAN CAUSE SENSITIZATION.

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

EMERGENCY & FIRST AID PROCEDURES

INHALATION :
 GENERALLY NOT A HAZARD. MOVE TO FRESH AIR AND TREAT SYMPTOMATICALLY. GIVE OXYGEN IF BREATHING IS DIFFICULT AND ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION.

EYE CONTACT:
 FLUSH WITH WATER FOR 10 MINUTES. LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL IRRITATION IF IRRITATION PERSISTS. TREATMENT IS MOST EFFECTIVE WITHIN ONE MINUTE.

SKIN CONTACT:
 WASH WITH SOAP AND WATER. SENSITIVE INDIVIDUALS SHOULD APPLY AN EMOLLIENT RICH CREAM AND SHOULD SEE A PHYSICIAN IF IRRITATION PERSISTS.

INGESTION :
 DO NOT INDUCE VOMITING. GIVE ONE OR TWO GLASSES OF WATER AND CALL PHYSICIAN ASPIRATION OF MATERIAL INTO THE LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

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

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC	<--YES X<--NO	NTP	<--YES X<--NO	OSHA	<--YES X<--NO	ACGIH	<--YES X<--NO	OTHER	<--YES X<--NO
2,4,6 TRI(DIMETHYLAMINO METHYL PHENOL)									
ORL-RAT LD50:	2.5 G/KG	3.	SKN-RAT LD50:	1280 MG/ KG	3.	SKN-RBT 500MG/24H SEVERE	3.	EYE-RBT 500MG/24H/SEVERE	3.
SKN-RBT LD50:	1.2G/KG	3.							

DIGLYCDIAL ETHER OF BISPHENOL A
 SKN-RBT 500 MG OPEN MILD 3.

STEEL FILLED EPOXY STICK

(CONTINUED)

SECTION VI - TOXICITY INFORMATION

PAGE : 04

EYE-RBT 2 MG/24 H SEVERE 3.
 ORL-RAT LD50: 11 G/KG 3.

SECTION VII - REACTIVITY DATA

STABILITY | X<--STABLE | <--UNSTABLE | CONDITIONS TO AVOID
 OPEN FLAMES, LONG-TERM EXPOSURE TO HIGH TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID)
 STRONG OXIDIZING AGENTS OR STRONG BASES OR MINERAL ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS
 OXIDES OF CARBON, NITROGEN, AMMONIA AND ACRID SMOKE AND FUMES.

HAZARDOUS	WILL NOT X <--OCCUR	MAY <--OCCUR	CONDITIONS TO AVOID
POLYMERIZATION	N/A		

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 DUE TO THE NATURE OF THE PACKAGING OF THIS PRODUCT A SPILL IS UNLIKELY.

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

NEUTRALIZING AGENT
 N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
 LOCAL EXHAUST RECOMMENDED TO CONTROL VAPOR LEVELS IF BURNED OR WELDED. GENERAL EXHAUST IS MORE THAN ADEQUATE TO PROTECT WORKER FROM EXPOSURE TO LEVELS ABOVE PERMISSIBLE EXPOSURE LIMITS.

RESPIRATORY PROTECTION
 WEAR NIOSH APPROVED RESPIRATOR TO PROVIDE ADEQUATE VENTILATION WHEN BURNING, WELDING OR MACHINING (GRINDING)

STEEL FILLED EPOXY STICK

(CONTINUED)

SECTION IX - SPECIAL PROTECTION INFORMATION PAGE : 05

PROTECTIVE GLOVES
RUBBER GLOVES SHOULD BE WORN BY SENSITIVE
INDIVIDUAL DEPENDING ON SEVERITY OF EXPOSURE.

EYE PROTECTION
SAFETY GOGGLES SHOULD BE WORN DEPENDING ON
SEVERITY OF EXPOSURE.

OTHER PROTECTION
CLEAN, PROTECTIVE CLOTHING SHOULD BE WORN.

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE	INDOOR	HEATED	REFRIGERATED	OUTDOOR
100 F <--MAX 30 F <--MIN	X		X	

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

OTHER PRECAUTIONS
WASH THOROUGHLY AFTER HANDLING. KEEP OUT OF REACH
OF CHILDREN. AVOID CONTACT WITH EYES, SKIN AND
CLOTHING.

SECTION XI - REGULATORY INFORMATION

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

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 USE (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.

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

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

STEEL FILLED EPOXY STICK

(CONTINUED)

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

PAGE : 06

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

1. VENDOR'S MSDS.
2. OSHA PEL
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION,
N. IRVING SAX AND RICHARD J. LEWIS, SR.
- * INGREDIENT PERCENTAGE IS A TRADE SECRET;
MASS TRADE SECRET NUMBER 99-127-002

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UNRECOMMENDED USE, STORAGE, OR DISPOSAL OF THE PRODUCT.

