

MATERIAL SAFETY DATA SHEET  
For Coatings, Resins and Related Materials

05/14/2009

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: Crawford Laboratories, Inc. Information Phone: 773-376-7132  
4165 South Emerald Avenue Emergency Phone: 800-424-9300  
Chicago IL 60609 ! Hazard Ratings: Health - 2  
Product Class: EPOXY ! none -> extreme Fire - 1  
Trade Name : WHITE SYSTEM 4700 EPOXY ! 0 ----> 4 Reactivity - 0  
Product Code : M1-073 !  
C.A.S. Number: SEE BELOW !

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	--- Exposure Limits ---	VP
			ACGIH/TLV OSHA/PEL	mm HG
EPOXY RESIN	25085-99-8	50-75	Undetermined	
This is a Bisphenol A / Epichlorohydrin Epoxy Resin. Repeated exposure may cause skin irritation. Has caused allergic skin reaction in humans.				
DILUENT	68609-97-2	5-20	Undetermined	
NONYLPHENOL	84852-15-3	5-20	Undetermined	0.9
TITANIUM DIOXIDE	13463-67-7	5-20	10 mg/M3	15

\* SECTION 313 SUPPLIER NOTIFICATION

Ingredients with \* above are subject to reporting requirements  
of section 313 of the Emergency Planning and Community  
Right-To-Know Act of 1986 of 40 CFR 372.

SECTION III - PHYSICAL DATA

Boiling Range: 545 - 545 Deg. F Vapor Density: Heavier than Air.  
Evap. Rate: n-Butyl Acetate Liquid Density: Heavier than Water.  
Volatiles volume: 0.0 % Wgt per gallon: 9.82 Pounds.  
Appearance: WHITE LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: Flash Point: >200FSETA LEL :  
-EXTINGUISHING MEDIA:  
FOAM, CO2, DRY CHEMICAL  
-SPECIAL FIREFIGHTING PROCEDURES:  
AS IN ANY FIRE, PREVENT HUMAN EXPOSURE TO FIRE, SMOKE, FUMES OR  
PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL FROM  
THE FIRE AREA. FIRE FIGHTERS SHOULD WEAR FULL-FACE, SELF-  
CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTINVE  
CLOTHING. WATER MAY BE USED TO KEEP FLAMMABLE STRUCTURES WET.  
-UNUSUAL FIRE & EXPLOSION HAZARDS:  
SEALED CONTAINERS MAY EXPLODE IF OVERHEATED.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

CARE SHOULD BE TAKEN TO ASSURE THAT THE EXPOSURE LIMITS SHOWN IN SECTION II ARE NOT EXCEEDED. WHEN IN DOUBT - WEAR AN APPROVED RESPIRATOR AND ORDER AIR SAMPLING TESTS. (SEE SECTION VIII).

-EFFECTS OF OVEREXPOSURE:

GENERAL EFFECTS FOR THIS TYPE OF PRODUCT:

MAY CAUSE INJURY TO SKIN FOLLOWING REPEATED OR PROLONGED CONTACT AND MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

EYE CONTACT MAY CAUSE SEVERE IRRITATION

INHALATION MAY CAUSE IRRITATION TO NOSE, THROAT OR LUNGS

INGESTION MAY BE HARMFUL IF SWALLOWED

-FIRST AID:

--EYE CONTACT-FLUSH WITH PLENTY OF FRESH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

--INHALATION-REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION. KEEP VICTIM WARM AND COMFORTABLE. NEVER GIVE AN UNCONSCIOUS PERSON LIQUIDS.

--INGESTION-IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING ON INSTRUCTIONS OF PHYSICIAN. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

--SKIN CONTACT- FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CONTAMINATED CLOTHING OR SHOES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF STICKY, USE WATERLESS CLEANER FIRST.

SECTION VI - REACTIVITY DATA

STABILITY: [ ] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [ ] May occur [x] Will not occur

-INCOMPATIBILITY:

STRONG ACIDS, OXIDIZERS

-CONDITIONS TO AVOID:

STRONG ACIDS, OXIDIZERS

-HAZARDOUS DECOMPOSITION PRODUCTS:

TOXIC FUMES AT DECOMPOSITION TEMPERATURES.

SUCH AS CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, HF.

SECTION VII - SPILL OR LEAK PROCEDURES

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
COMPLETELY ABSORB WITH INERT MATERIAL (VERMICULITE), SWEEP OR SCOOP UP AND PUT IN DISPOSAL CONTAINER. FLUSH AREA WITH WATER BUT PREVENT WASHINGS FROM ENTERING SEWERS AND WATERWAYS.
- WASTE DISPOSAL METHOD:  
PLACE IN CLOSED CONTAINERS. DISPOSAL MUST BE IN ACCORDANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. CONTACT AN APPROVED DISPOSAL FACILITY.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

- RESPIRATORY PROTECTION:  
PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATORS SHALL BE USED DURING APPLICATION UNLESS AIR MONITORING DEMONSTRATES VAPOR/MIST LEVELS ARE BELOW APPLICABLE LIMITS.
- VENTILATION:  
EFFECTIVE ENGINEERING CONTROLS SHOULD BE USED WHEREVER POSSIBLE. SOLVENT FREE COATINGS MAY PRODUCE VAPORS.
- PROTECTIVE GLOVES:  
NEOPRENE RUBBER GLOVES.
- EYE PROTECTION:  
WEAR APPROVED SAFETY GOGGLES AND/OR FACE SHIELD.
- OTHER PROTECTIVE EQUIPMENT:  
HAVE EYE BATH AVAILABLE AND SAFETY SHOWER AVAILABLE.

SECTION IX - SPECIAL PRECAUTIONS

- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:  
STORE AWAY FROM FLAMES AND HIGH TEMPERATURES. AVOID PROLONGED SKIN CONTACT. AVOID BREATHING VAPORS.
- OTHER PRECAUTIONS:

NOTE

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