



# ChemShield 1102

Concrete Primer

## Part A Resin MSDS

### MATERIAL SAFETY DATA SHEET (ChemShield 1102 Concrete Primer)

**EMERGENCY CONTACT: (864) 680-1547**

#### SECTION I. IDENTIFICATION

**TRADE NAME:** *ChemShield*

**PRODUCT CLASS:** MODIFIED BISPHENOL-A POLYGLYCIDYL ETHER FOR INDUSTRIAL USE ONLY

**PRODUCT TYPE:** CS 1102 CONCRETE PRIMER RESIN

**IMPORTANT:** THIS MATERIAL WILL NOT BE SOLD FOR USE IN PRODUCTS FOR WHICH PROLONGED CONTACT WITH MUCOUS MEMBRANES, ABRADED SKIN, OR IMPLANTATION WITHIN THE HUMAN BODY IS SPECIFICALLY INTENDED. BECAUSE OF THE WIDE RANGE OF SUCH POTENTIAL USES, WOLVERINE COATINGS 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 COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

#### SECTION II. HAZARDOUS INGREDIENTS

		EXPOSURE LIMITS							
		%	OSHA		ACGIH		VP		
		BY	PEL	TLV(TWA)		mm @	LD <sub>50</sub>		
<u>INGREDIENTS</u>	<u>CAS NO.</u>	<u>WT.</u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>68°F</u>	<u>g/kg</u>	
BISPHENOL – A BASED EPOXY RESIN	025068-38-6	**	dna	dna	dna	dna	dna	dna	
ACRYLATED POLYOL	**	**	dna	dna	dna	dna	dna	dna	
MULTIFUNCTIONAL ACRYLATE MONOMER	013048-33-4	**	dna	dna	dna	dna	dna	dna	

\*\*THE SPECIFIC CHEMICAL IDENTITY AND/OR WEIGHT PERCENT IS BEING WITHHELD AS A TRADE SECRET.

SUSPECTED CANCER AGENT: NO

REF. RTEC, ACGIH, OSHA

\*\* CALIFORNIA TITLE 26: 22-12000 (PROP 65) – (THIS PRODUCT IS NOT SUBJECT TO.) DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SARA, CERLA(40CFR)

# MATERIAL SAFETY DATA SHEET (ChemShield 1102 Resin)

## SECTION III. PHYSICAL DATA

**APPEARANCE AND ODOR:** CLEAR LIGHT MOBILE LIQUID WITH A MILD ACRYLATE ODOR  
**BOILING RANGE:** NO DATA                      **VAPOR DENSITY:** NO DATA  
**VOLATILE CONTENT:** <0.5% BY VOLUME      **EVAPORATION RATE:** NA  
**WT/GAL:** 9.5 LBS                                  **SOLUBILITY IN WATER:** INSOLUBLE

## SECTION IV. FIRE AND EXPLOSION DATA

**FLAMMABILITY:** OSHA: NA                      **FLASH POINT:** 200 F (SETAFLASH)  
**DOT LABELING:** NONE                          **LEL:** NO DATA  
**UN NUMBER:** NOT APPLICABLE

**EXTINGUISHING MEDIA:** USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES; AQUEOUS FOAM OR WATER FOR LARGE FIRES.

**SPECIAL FIRE FIGHTING PROCEDURES:** REMOVE ALL IGNITION SOURCES. WEAR SELF-CONTAINED BREATHING APPARATUS AND COMPLETE PERSONAL PROTECTIVE EQUIPMENT WHEN ENTERING CONFINED AREAS WHERE POTENTIAL FOR EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION EXISTS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** CLOSED CONTAINERS MAY RUPTURE (DUE TO BUILDUP OF PRESSURE) WHEN EXPOSED TO HEAT.

## SECTION V. REACTIVITY DATA

**STABILITY:** UNSTABLE

**CONDITIONS TO AVOID:** STORAGE ABOVE 120 F, EXPOSURE TO LIGHT, LOSS OF DISSOLVED AIR, LOSS OF POLYMERIZATION INHIBITOR, CONTAMINATION WITH INCOMPATIBLE MATERIALS.

**INCOMPATIBILITY (MATERIALS TO AVOID):** POLYMERIZATION INITIATORS INCLUDING PEROXIDES, STRONG OXIDIZING AGENTS, COPPER, COPPER ALLOYS, CARBON STEEL, IRON, RUST, OR STRONG BASES. CONTAMINATION WITH STRONG BASES, AMINES, OR MERCAPTANS CAN CAUSE POLYMERIZATION.

**HAZARDOUS DECOMPOSITION PRODUCTS:** FUMES PRODUCED WHEN HEATED TO DECOMPOSITION MAY INCLUDE: CARBON MONOXIDE AND/OR CARBON DIOXIDE.

## SECTION VI. HEALTH HAZARDOUS DATA

### EFFECTS OF OVEREXPOSURE:

**INGESTION** - PRACTICALLY NON-TOXIC. LD50 12.6 G/KG (RAT)

**INHALATION** – AEROSOL CAN BE IRRITATING. PRACTICALLY NON-TOXIC AT SATURATION CONCENTRATIONS OF 0.4 MG/L IN AIR.

**SKIN ABSORPTION** - SLIGHTLY TOXIC – LD50 >2 G/KG (RABBIT)

**SKIN CONTACT** – MAY CAUSE MODERATE SKIN INJURY (REDDENING AND SWELLING). SENSITIZER – MAY CAUSE ALLERGIC SKIN REACTION WHICH MAY BE SEVERE IN CERTAIN INDIVIDUALS.

**EYE CONTACT** - MAY CAUSE SEVERE EYE INJURY WHICH WILL PERSIST FOR SEVERAL DAYS – DAMAGE REVERSIBLE.

**CHRONIC EFFECTS OF OVEREXPOSURE** – IN VITRO MUTAGENIC STUDIES GAVE NEGATIVE RESULTS. NO EFFECTS WERE OBSERVED IN TERATOGENICITY STUDIES WITH RATS AND RABBITS. SKIN PAINTING STUDIES SHOW THAT MATERIAL IS NOT CLASSIFIABLE AS CARCINOGENIC.

### EMERGENCY AND FIRST AID PROCEDURES:

**EYES** - FOR EYE CONTACT, IMMEDIATELY FLUSH EYES FOR AT LEAST FIFTEEN MINUTES WITH RUNNING WATER. HOLD EYELIDS APART TO ENSURE RINSING OF THE ENTIRE EYE SURFACE AND LIDS WITH WATER. SEEK IMMEDIATE MEDICAL ATTENTION.

**SKIN** - IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND WASH CONTACT AREA WITH SOAP AND WATER FOR 15 MINUTES. PARTICULAR ATTENTION SHOULD BE PAID TO HAIR, NOSE, EARS,

## MATERIAL SAFETY DATA SHEET (ChemShield 1102 Resin)

AND OTHER AREAS NOT EASILY CLEANED. SEE SECTION IX. NOTE TO PHYSICIAN: EFFECTS CAN BE DELAYED 24-48 HOURS.

**INGESTION** - IF APPRECIABLE QUANTITIES ARE SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION.

**INHALATION** – IN CASE OF EXPOSURE TO A HIGH CONCENTRATION OF VAPOR OR MIST, REMOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.

### SECTION VII. SPILL OR LEAK PROCEDURES

**SPILL PROCEDURES:** SPONTANEOUS POLYMERIZATION CAN OCCUR. ELIMINATE IGNITION SOURCES. USE EYE AND SKIN PROTECTION. PLACE CONTAINERS IN A WELL-VENTILATED AREA. ABSORB WITH INERT MATERIAL AND DISPOSE. FLUSH AREA WITH WATER, PREVENT WASHINGS FROM ENTERING WATERWAYS. SPILLS OR RELEASES TO THE ENVIRONMENT MAY BE REPORTABLE TO THE NATIONAL RESPONSE CENTER (800-424-8802) AND TO STATE AND/OR LOCAL AGENCIES.

**WASTE DISPOSAL METHODS:** INCINERATE OR USE BIOLOGICAL TREATMENT IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

**EPA WASTE NO:** NONE

### SECTION VIII. SPECIAL PROTECTION INFORMATION

**VENTILATION:** LOCAL EXHAUST IS RECOMMENDED TO CONTROL EMPLOYEE EXPOSURE WHICH MAY RESULT FROM OPERATIONS GENERATING AEROSOLS AND HOT OPERATIONS GENERATING VAPORS. MECHANICAL VENTILATION IS NOT RECOMMENDED TO CONTROL EXPOSURE FOR OPERATIONS GENERATING AEROSOLS OR VAPORS.

**PROTECTIVE GLOVES:** WEAR IMPERVIOUS GLOVES (NEOPRENE). A COMBINATION OF BARRIER CREAM, APPLIED BEFORE EXPOSURE, AND GLOVES IS RECOMMENDED.

**EYE PROTECTION:** WEAR SPLASH-PROOF CHEMICAL RESISTANT GOGGLES.

**RESPIRATORY PROTECTION:** WHEN EXPOSED TO AEROSOLS OR VAPORS, USE FULL-FACE ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH PARTICULATE PRE-FILTER. IN EMERGENCY SITUATIONS, OR WHEN IN CONFINED SPACES, USE SELF-CONTAINED BREATHING APPARATUS OR OTHER AIR SUPPLIED FULL FACE RESPIRATOR.

**OTHER PROTECTIVE EQUIPMENT:** FOR OPERATIONS WHERE CONTACT CAN OCCUR, USE A FACE SHIELD, IMPERVIOUS BODY COVERING, AND BOOTS. A SAFETY SHOWER AND EYE WASH FACILITY SHOULD BE MADE AVAILABLE. FOR ROUTINE LABORATORY OPERATIONS, AN IMPERVIOUS APRON AND GLOVES ARE RECOMMENDED.

**HYGENIC PRACTICES:** USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, OR SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.

### SECTION IX. SPECIAL PRECAUTIONS

**HANDLING, SHIPPING, AND STORING PRECAUTIONS:** AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR, MIST, OR SPRAY. USE ONLY WITH GOOD VENTILATION. INDIVIDUALS SHOULD WASH THOROUGHLY AFTER HANDLING. STORE IN DRY AREA IN CLOSED CONTAINERS. STORE AT TEMPERATURE BELOW 120 F. FOR INDUSTRIAL USE ONLY.

**FIRST AID:** IN CASE OF CONTACT WITH:

**EYES-** IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST FIFTEEN MINUTES. CALL A PHYSICIAN.

**SKIN-** FLUSH SKIN WITH SOAP AND WATER. SOLVENTS SHOULD NOT BE USED TO CLEAN SKIN BECAUSE OF INCREASED PENETRATION POTENTIAL.

**CLOTHING-** REMOVE ALL CONTAMINATED CLOTHING, SHOES, BELTS, AND OTHER LEATHER GOODS IMMEDIATELY. WASH CLOTHING BEFORE REUSE. INCINERATE LEATHER GOODS (INCLUDING SHOES).

### SECTION X. REGULATORY INFORMATION

## MATERIAL SAFETY DATA SHEET (ChemShield 1102 Resin)

**DOT CLASS:** PAINT OR PAINT RELATED PRODUCT

**DOT NUMBER:** UN 3066

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

**CERCLA STATUS:** NOT LISTED

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

**OSHA STATUS:** THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200. THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.

**TSCA INVENTORY STATUS:** CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY.

**ISSUE DATE:** 05/2002

FOR FURTHER INFORMATION, PLEASE CONTACT PRODUCT SAFETY DIRECTOR.

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. ALL CHEMICALS MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. FINAL DETERMINATION OF SUITABILITY OF THE CHEMICAL IS THE SOLE RESPONSIBILITY OF THE USER. USERS OF ANY CHEMICAL SHOULD SATISFY THEMSELVES THAT THE CONDITIONS AND METHODS OF USE ASSURE THAT THE CHEMICAL IS USED SAFELY. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, OR TO THE CHEMICAL TO WHICH THE USER REFERS.

LD50 = ORAL, RAT; LC50 = INHALATION, RAT; dna = DATA NOT AVAILABLE; NA = NOT APPLICABLE