MATERIAL S						
PRODUCT NAME: V - SHIELD Part A GENERAL USE: Protective coating PRODUCT DESCRIPTION: Clear liquid, characteristic	c odor					
DISTRIBUTED BY		[DATE PREF	PARED:	Dama	1 - 5 4
Bond Water Technologies, Inc. ADDRESS (NUMBER, STREET, P.O. BOX) 630 East Diamond Avenue, Suite J/K (CITY, STATE AND ZIP CODE)		TELEPHONE (301) 721-26 EMERGENC CHEMTREC 80 DS IDENTI	SUPERSED NUMBER 1 563 Y TELEPHO 00-424-9300 FICA TI(NES: FOR INFORMATIO NE NUMBER ON		
POTENTIAL HEALTH EFFECTS INHALATION: None expected, however, certain individua SKIN: Skin sensitizer, contact with the skin will cause seve					the skin may cause	
allergic reaction and / or sensitization. EYES: This product is an eye irritant. Contact with the eyes thermal burns.	s will cause irr	itation. Contact v	vith product	at elevated temperat	ures can result in	
INGESTION: May cause gastric distress, vomiting and di	arrhea.					
CARCINOGENICITY	NTP?	N o IARC	C MONOGRAPH	IS? No OSHA REG	GULATED? N o	
SECTION 3 - COMPOSI	TION / IN	FORMA TI	ON ON I	INGREDIENT		
HAZARDOUS COMPONENTS	CAS #	EINECS #	% (by weight)	OSHA PEL PPM MG/M3	ACGIH TWA PPMMG/M3	RQ LBS
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A	2210-79-9 25068-38-6	218-645-3 500-033-5	15 - 20 80 - 85	not established		

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: V - SHIELD Part A

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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; if symptoms persist seek medical attention.

SKIN: Carefully remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention. If contact with hot product occurs, immediately flush affected area with cool water for 15 minutes.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; seek medical attention. If contact with hot product occurs, immediately flush with cool water for 15 minutes. Seek medical attention immediately.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention; never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Not applicable LEL:	Not applica UEL:	able
> 200° F (> 93.3° C)	AUTOIGNITION TEMPERATUR	Not determined E:	NFPA CLASS:	IIIB

GENERAL HAZARDS: Product will support combustion. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES

Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode. Do not use solid stream of water since stream will scatter and spread fire. Fine water spray can be used to keep fire - exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers can explode due to buildup of pressure when exposed to extreme heat. Do not use direct stream of water on pool fires as product may reignite on water surface. Caution - Material will support combustion!

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Shut off source of leak if safe to do so. Dike and contain product. Confine spill, soak up with clay, sand or other approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended. No other special controls are indicated.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required

PROTECTIVE GLOVES: Recommended for general protection EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

PRODUCT NAME: V - SHIELD Part A				Page 3 of 4		
SECTION 9 -	PHYSICAL ANI		L PROPERTIES			
APPEARANCE AND ODOR Clear liquid, characteristic odor		VAPOR DENS Not applicable	ITY (AIR = 1)			
SPECIFIC GRAVITY (WATER = 1) 1.400 - 1.410			EVAPORATION RATE (Water = 1) Not applicable			
SOLUBILITY IN WATER Negligible	SOLUBILITY IN WATER % VOLATILE					
pH Not applicable	pH VAPOR PRES					
BOILING POINT Not applicable	OILING POINT FREEZING PO					
VISCOSITY Not specified		VOLATILE ORGANIC COMPOUNDS (VOC's) None				
SECTI	ON 10 - STABIL					
STABILITY UNST STABLE:	ABLE: X	CONDITIONS T	O AVOID: Extreme temperatur	es.		
INCOMPATIBILITY (MATERIALS TO AVOID): (secondary aliphatic amines.	Can react vigorously with	strong oxidizers, s	trong acids, mineral and orgar	ic bases, primary and		
HAZARDOUS DECOMPOSITION OR BYPRO		will not occur if ha	ndled and stored properly. In	case of a fire, oxides of		
carbon, hydrocarbons, fumes or vapors, and smoke may be produced. HAZARDOUS POLYMERIZATION MAY OCCUR: X WILL NOT OCCUR: CONDITIONS TO AVOID: Hazardous polymerization may occ excess of aliphatic amine curing agent			ization may occur with			
SECTIO	N 11 - TOXICOL					
Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species		
J						
o-Cresol Glycidyl Ether	2210-79-9	218-645-3	4,000 mg / kg Oral - rat	6,090 mg / m3 Inhalation - rat		
	2210-79-9 25068-38-6	218-645-3 500-033-5				
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A		500-033-5	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A	25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be build be evaluated and app	500-033-5	Oral - rat > 3,000 mg / kg Oral - rat RMA TION OD nor BOD data are availab matized biological waste treat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTION No data are available on the adverse effects of the chemical composition of this product it is assume limited quantities. However, such treatment show this mixture are classified as a Marine Pollutant	25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be build be evaluated and app	500-033-5 BICAL INFO pomment. Neither Co treated in an acclin roved for each spe	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTION No data are available on the adverse effects of the chemical composition of this product it is assume limited quantities. However, such treatment show this mixture are classified as a Marine Pollutant	25068-38-6 25068-38-6 25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be puld be evaluated and app t. I 13 - DISPOSA cordance with local, stat e hazardous waste upon or federal agency before of	500-033-5 BICAL INFO poment. Neither Cut treated in an acclin roved for each spe L CONSIDE e, and federal regu- contact with other disposing of any ch	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTION No data are available on the adverse effects of the chemical composition of this product it is assumed this mixture are classified as a Marine Pollutant SECTION WASTE DISPOSAL METHOD: Dispose of in and however, non-hazardous materials may becomed disposal regulations. Consult your local, state, or waste codes are application specific and should be a state of the specific and should be a specific and specific a	25068-38-6 25068-38-6 25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be puld be evaluated and app t. I 13 - DISPOSA cordance with local, stat e hazardous waste upon or federal agency before of	500-033-5 BICAL INFO pomment. Neither Cut treated in an acclin roved for each spe L CONSIDE e, and federal regu- contact with other based on the appli	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTION No data are available on the adverse effects of the chemical composition of this product it is assume limited quantities. However, such treatment shot this mixture are classified as a Marine Pollutant SECTION WASTE DISPOSAL METHOD: Dispose of in an however, non-hazardous materials may become disposal regulations. Consult your local, state, or waste codes are application specific and should SECTION SECTION (SECTION)	25068-38-6 25068-38-6 25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be puld be evaluated and app t. I 13 - DISPOSA coordance with local, stat e hazardous waste upon or federal agency before of be assigned by the user	500-033-5 BICAL INFO poment. Neither Co treated in an acclin roved for each spe L CONSIDE e, and federal regu- contact with other p based on the appli PORT INFO	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTION No data are available on the adverse effects of the chemical composition of this product it is assume limited quantities. However, such treatment shot this mixture are classified as a Marine Pollutant SECTION WASTE DISPOSAL METHOD: Dispose of in and however, non-hazardous materials may become disposal regulations. Consult your local, state, or waste codes are application specific and should SECTION PROPER SHIPP DOT HAZARD CLASS /	25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be build be evaluated and app t. I 13 - DISPOSA cordance with local, stat e hazardous waste upon or federal agency before of be assigned by the user ON 14 - TRANSI ING NAME: Non - Hazar Pack Group: Not regulate	500-033-5 BICAL INFO poment. Neither Cu treated in an acclin roved for each spe CONSIDE e, and federal regu- contact with other p based on the appli PORT INFO dous for Transport d	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established		
o-Cresol Glycidyl Ether Polymer of epichlorohydrin & Bisphenol A SECTIO No data are available on the adverse effects of the chemical composition of this product it is assume limited quantities. However, such treatment should this mixture are classified as a Marine Pollutan SECTION WASTE DISPOSAL METHOD: Dispose of in an however, non-hazardous materials may become disposal regulations. Consult your local, state, or waste codes are application specific and should SECTION PROPER SHIPP DOT HAZARD CLASS / REUN / NA IDENTIFICATION	25068-38-6 DN 12 - ECOLOG his material on the enviro ed that the mixture can be build be evaluated and app t. N 13 - DISPOSA cordance with local, stat e hazardous waste upon or federal agency before of be assigned by the user ON 14 - TRANSA ING NAME: Non - Hazar Pack Group: Not regulate FERENCE: Not Applical	500-033-5 SICAL INFO onment. Neither Cu treated in an acclin roved for each spe L CONSIDE e, and federal regu- contact with other p based on the appli PORT INFO dous for Transport d ble	Oral - rat > 3,000 mg / kg Oral - rat	Inhalation - rat Not established le. Based on the ment plant system in of the ingredients in as non - hazardous, 0 - 299 for complete waste ropean Waste Catalogue, s used. ck Group: Not regulated D CLASS: Not regulated ods Code: Not regulated ck Group: Not regulated		

MATERIAL SAFETY DATA SHEET				
PRODUCT NAME: V - SHIELD Part A				Page 4 of 4
SECTION 15	- REGULA	TORY INF	ORMA TION	
TSCA (Toxic Substance Control Act) All components of this product are listed on the U.S. T from listing because a Low Volume Exemption has bee SARA TITLE III (Superfund Amendments and Reautho 31 1/312 Hazard Categories Immediate health	en granted in acc			exempted
313 Reportable Ingredients: None				
CERCLA (Comprehensive Response Compensation and None	Liability Act)			
California Prop 65, Safe Drinking Water and Toxic Enforce There are no reportable chemicals present known to the CPR (Canadian Controlled Products Regulations) This product has been classified in accordance with the information required by the Controlled Products Regulat IDL (Canadian Ingredient Disclosure List) Components of this product identified by CAS number an DSL / NDSL (Canadian Domestic Substances List / Non- Components of this product identified by CAS number an Substances Notification (NSN) regulations. Only ingredi EINECS (European Inventory of Existing Commercial Ch Components of this product identified by CAS numbers a WGK Water Quality Index: 2	e state of Californ hazard criteria c tions. WHMIS CI nd listed on the C Domestic Substa re listed on the D lients classified a nemical Substanc are on the Europe VbK Index: A III SYMBOL(S FOR Irritant E	ia to cause cance of the Controlled I lassification: D2E Canadian Ingredie ances List) DSL or NDSL, or as "hazardous" ar ces)	Products Regulations and the MSDS cor 3 - Eye irritation; D2B - Skin Sensitization ent Disclosure List are shown in Section are otherwise in compliance with the Ne re listed in Section 3 unless otherwise in	3. w dicated. aces. se immediately al advice. immediately with
SECTION	 16 - OTHE	ER INFORI	MA TION	
Specific toxicity tests have not been conducted on this pro ingredients, technical literature, and/or professional experi	oduct. Our hazaro			ts, the
HMIS HAZARD RATINGS	HEALTH FLAMMABILITY PHYSICAL HAZARD ONAL PROTECTIVE EQUIPMENT		 * = Chronic Health Hazard 2 1 0 = INSIGNIFICANT 0 1 = SLIGHT B Safety Glasses, Gloves 	2 = MODERATE 3 = HIGH 4 = EXTREME
REVISION SUMMARY: This MSDS has been revised in the following sections: Complete format revision		MSDS Prepar	ed by:	
The information contained herein is believed to be accurate but i of the product and manufacturers of the components of the produ the circumstances of use. Vendor assumes no responsibility for are not adhered to as stinulated in the data sheet Eurthermore.	uct. Users are advis	sed to confirm in ac	Ivance of need that information is current, ap	plicable and suited t

are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material es safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.