

MATERIAL SAFETY DATA SHEET

BLACKTHORN, Inc. P.O. Box 70 6113 Brookville-Salem Rd. Clayton, OH 45315-0070	FOR EMERGENCIES CALL (513) 836-9296 OR (513) 836-9395	HAZARD DATA 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
		FIRE REACTIVITY TOXICITY SPECIAL
PRODUCTS SED-N-BOND™ Latex Bonding Agent/Admixture		DOT HAZARD CLASS

I - COMPOSITIONAL INFORMATION

COMPONENT	CAS REG. NO.	APPROX. WT.%	TWA/TLV - OTHER
Acrylic Polymer	Non-hazardous	27-28	Not established
Formaldehyde	50-00-0	.05 max.	.75 ppm TWA OSHA, 2 ppm ACGIH

SARA TITLE III SECTION 313 CHEMICALS (40CFR372)

CHEMICAL NAME	CAS NO.	% BY WT. MAX.
Acrylic Polymer	Non-hazardous	Not established
Formaldehyde	.75 ppm TWA OSHA, 2 ppm ACGIH	Yes

II - PHYSICAL PROPERTY INFORMATION

APPEARANCE - ODOR - pH Milky-white liquid — Mild acrylic odor pH = 9.5 - 10.5			
MELTING OR FREEZING POINT 32° F	BOILING POINT 212° F	VAPOR PRESSURE (mm Hg) 17 @ 68° F (est.)	VAPOR DENSITY (AIR = 1) < 1
SOLUBILITY IN WATER Dilutable	PERCENT VOLATILE (BY WEIGHT) 72 - 73	SPECIFIC GRAVITY (WATER = 1) 1.0 - 1.1	EVAPORATION RATE (BUTYL ACETATE = 1) < 1

III - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT Non-combustible	AUTO IGNITION TEMPERATURE N/A	LOWER EXPLOSION LIMIT (%) N/A	UPPER EXPLOSION LIMIT (%) N/A
EXTINGUISHING MEDIA <input type="checkbox"/> FOAM <input type="checkbox"/> "ALCOHOL" FOAM <input type="checkbox"/> CO2 <input type="checkbox"/> DRY CHEMICAL <input type="checkbox"/> WATER SPRAY <input type="checkbox"/> OTHER N/A			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS Material can splatter above 212° F - Polymer film can burn			

IV - HEALTH HAZARD INFORMATION

ROUTES OF ENTRY: Inhalation, skin
EFFECTS OF EXPOSURE Inhalation: Vapor or mist can cause headache, nausea and irritation of the nose, throat < lungs. Skin Contact: Irritation of the skin upon prolonged exposure or repeated contact Eye Contact: Product can become irritating to the eyes Ingestion: Gastrointestinal irritation
EMERGENCY AND FIRST AID PROCEDURES Inhalation: Move subject to source of fresh air. Eye and Skin Contact: Flush eyes with large amount of clear water for at least 15 minutes while lifting the upper and lower eyelids. If irritation persists, seek medical attention. Wash affected skin areas with soap and water. Remove contaminated clothing and thoroughly clean and dry before reuse. Ingestion: If swallowed, give 2 glasses of clear water to drink. Consult a physician. DO NOT attempt to give anything to an unconscious person.

V - REACTIVITY INFORMATION

STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID Temperatures over 177° C and below 35° F.
HAZARDOUS DECOMPOSITION PRODUCTS Acrylic monomers	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID N/A
INCOMPATIBILITY (MATERIALS TO AVOID) <input type="checkbox"/> WATER <input type="checkbox"/> OTHER N/A	

VI - SPILL OR LEAK PROCEDURE INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Keep spectators away. Floor may become slippery; use extreme care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal, and put all solid diking material into separate containers for disposal. Keep spills and cleaning run-offs out of municipal sewers and open bodies of water.
WASTE DISPOSAL METHODS Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer. Landfill the solids and the contaminated diking material according to the local, state and federal regulations.

VII - SPECIAL PROTECTION INFORMATION

VENTILATION TYPE Mechanical local exhaust ventilation at point of contaminant release.	
RESPIRATORY PROTECTION None required if good ventilation is maintained, Otherwise, use self-contained breathing apparatus (pressure-demand, MSHA/NIOSH-approved or equivalent).	
PROTECTIVE GLOVES Impervious neoprene	EYE PROTECTION Chemical splash goggles (ANSI Z-87.1 or approved equivalent).
OTHER PROTECTIVE EQUIPMENT Eyewash facility	

VIII - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE MAX. 60°C (140°F) MIN 1°C (34°F)	INDOOR N/A	HEATED N/A	REFRIGERATED N/A	OUTDOOR N/A
OTHER NOTES: Keep from freezing - product may coagulate. Local exhaust ventilation should have minimum capture velocity of 100 ft./minute.				

IX - TOXICITY INFORMATION

The effects of overexposure shown in section IV are based on acute toxicity profiles for a number of acrylic emulsions that are similar in composition of this product. Typical values are: rat, oral LD50: 5.0g/kg; rabbit, Dermal LD50; 5.0g/lg; Rabbit, skin irritation: practically non-irritating - 72 hr. mean irritation score = 0 to 2; Rabbit, eye irritation; inconsequentially irritating. This product contains a trace fo formaldehyde, list by the state of California (prop 65) X - MISCELLANEOUS INFORMATION as a chemical known to cause cancer

NOTE: Formaldehyde is an animal carcinogen; however, objective data indicate that under typical conditions of use for this product, the TWA/TLV will not be exceeded.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF.

SED-N-BOND
Latex Bonding Agent