



Dura-Bond™ Bonding Agent

MATERIAL SAFETY DATA SHEET

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Effective: December 14, 2004

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: Dura-Bond™
(As appears on label) Bonding Agent
Chemical Family: Acrylic Monomer
Manufacturer/Supplier: Concrete Coatings Inc
PO Box 150071
Ogden, UT 84415
1-800-443-2871

Prepared by: Troy Harris, Technical Director

Emergency: Chemtrec 1-800-424-9300

Hazard Rating		Scale
Toxicity	1	4 = Extreme
Flammability	0	3 = High
Reactivity	0	2 = Moderate
Special	0	1 = Slight
		0 = Insignificant

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components Chemical & Common Names	CAS No.	Percent By Weight*	OSHA (ACGIH)	
			TWA	STEL
Vinyl Acetate Monomer	108-05-4	<0.10	10 ppm	20 ppm
Hexylene Glycol	629-11-8	<1.0%	25 ppm	N.E.
Butyl Benzyl Phthalate	85-68-7	<5.0	N.E.	N.E.
Vinyl Acetate Homopolymer	9003-20-7	43-53%	N.E.	N.E.

All remaining components are trade secret, none of which are hazardous or toxic by any known standards

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Physical Form: Liquid
Boiling Point: 100° C/212° F Water
Melting Point: No data
Specific Gravity (Water = 1): 1.08
Vapor Pressure (mm Hg): 18.62 mm Hg @ 20° C/68° F
Vapor Density (Air = 1): of water vapor
Solubility in Water: Dispersible
Evaporation Rate (Butyl Acetate=1) Slower than Butyl Acetate
Appearance & Odor Thick gluelike paste tan in color. Sweet odor
PH: 5.4
Viscosity 100-150 cps maximum
Percent Volatility 52-54% water

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: Noncombustible
Flammable Limits: **Lower Explosive Limit:** N/A
Upper Explosive Limit: N/A
Extinguishing Media: Water Fog, Carbon Dioxide or Foam

SECTION 4 – FIRE AND EXPLOSION DATA (CONT.)

Unusual Fire/Explosion

Hazards: Dry polymer film will burn; can sear at temps above 100°C /212 ° F. Aqueous solution will not burn.

SECTION 5 – REACTIVITY DATA

Stability: Stable under normal storage conditions

Conditions to avoid: None

Incompatible with: Iodizers, strong acids

Hazardous decomposition

products: May evolve highly toxic chloride fumes.

Hazardous polymerization: Will not occur.

SECTION 6 HEALTH HAZARD DATA

Carcinogenicity: NO

IARC: NO

OSHA Regulated?: NO

Threshold Limit Value (TLV): 5 ppm

Effects of Overexposure:

Inhalation: Inhalation of mist or vapor can cause irritation of upper respiratory tract.

Skin Contact: Direct or repeated skin contact can cause slight skin irritation, flaking, and softening of skin.

Eye Contact: Direct contact to eyes can cause irritation, tearing, swelling, and possible burning sensation

Emergency and First Aid Procedures

Eyes: Flush eyes with water for 15 minutes. Consult physician if irritation persists.

Skin: Wash area thoroughly with soap and water

Inhalation: Move victim to fresh air.

Ingestion: If swallowed, give two glasses of water to drink; consult physician. Never give anything by mouth to an unconscious person.

SECTION 7 – SPILL OR LEAK PROCEDURES

If Material Spills or Leaks: Absorb material with inert media and dispose of in a chemical-waste container. Keep away from Municipal sewers, lakes, or streams.

Waste Disposal: Container is considered empty when 3% or less remains. Additional special handling is not required. Container may be discarded other non-hazardous trash. Dispose of in accordance with local, state and federal regulations.



SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

Respiratory Protection None required under normal conditions. When mist occurs during spraying operations, wear an approved disposable half mask dust/mist respirator.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION (CONT.)

Protective Equipment: Impervious gloves, neoprene or rubber; safety glasses with splash guards or side shields, chemical goggles, or face shields.

Other Equipment and Practices: Standard painting clothing is suitable.

Special Precautions for Handling and Storage: Store in a cool, dry place. Keep from freezing, material may coagulate.

SECTION 9 – SHIPPING INFORMATION

DOT Shipping Name: Resin Compound
DOT Hazard Class: Not Regulated
DOT Reportable Quantity: N/A

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions – in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation 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 the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.