

MATERIAL SAFETY DATA SHEET

BondTAC™1500

LOW-VOC WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE

1. PRODUCT & MANUFACTURER IDENTIFICATION

Manufacturer Information:

Bondtac Technologies Incorporated
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905-458-1295
www.bondtac.com
Prepared by: Peter Edwards
Sources used: Raw material supplier MSDS

Emergency Contact:

Chemical Emergency (Canutec): 613-996-6666

HMIS Codes: H=2, F=3, R=0, P=D

Issue Date: December 2010

Product Name: BondTAC™1500 LOW-VOC WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE
Product Use: Waterproof Coating & Construction Adhesive

2. COMPOSITION & INFORMATION ON HAZARDOUS INGREDIENTS

COMPONENT	APPROX %	UN #	CAS #
Acetone	10-40	1090	67-64-1
Toluene	10-40	1294	108-88-3

EMERGENCY OVERVIEW

Flammable liquid and vapour. Vapour may cause headache, loss of coordination, nausea, respiratory, eye and skin irritation. Can be fatal if swallowed, may cause abdominal spasm and chemical pneumonitis.

Health rating: 2 – Moderate (Life)

Flammability rating: 3 – Severe (Flammable)

Reactivity rating: 0 – Stable

3. HAZARD IDENTIFICATION

Effects of exposure: Eyes: Vapour may cause irritation.

Skin: May cause mild irritation.

Inhalation: May cause irritation to respiratory system.

Effects of acute exposure to material: May cause mild irritation to skin & respiratory tract.

Chronic exposure: None known...

4. FIRST AID MEASURES

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Ingestion: Do not induce vomiting. Contact physician or nearest Poison Control Center immediately.

Inhalation: Remove victim to fresh air and if necessary, seek medical attention.

Eye Contact: Flush eyes immediately with water for at least 15 minutes. If irritation occurs, seek medical attention

5. FIRE EXPLOSION HAZARD

Flash Point: -7°C (T.C.C.)

Autoignition temp: N/A

Impact sensitivity: Insensitive

Sensitivity to static discharge: Vapours sensitive

Flammable limits in air (% by volume): 0.8–8.0

Unusual fire and explosion hazards: Vapours may cause flash fire. Vapours may travel along ground to remote ignition source where they can ignite, flashback or explode.

Fire extinguishing media: Dry chemical, Foam, CO₂. Use protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible into container or use proper inert adsorbing material and place in a chemical safe waste container. Use non-sparking tools and equipment. Conditions to avoid: Excessive heat, sparks & open flames and contact with strong-oxidizing materials. Report excessive spill released to soil to Ministry of Environment.

7. HANDLING & STORAGE

Handling: Keep containers closed when not in use. Keep out of the reach of children. Protect against physical damage. Containers should be bonded and grounded for transfers to avoid static sparks.

Storage: Protect from excessive heat. Store in a cool, dry, ventilated area at ambient temperature. Storage in non-smoking room. Containers of this material may be hazardous when empty – observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

	Acetone	Toluene
OSHA Permissible Exposure Limit (PEL)	1000 ppm	200 ppm (TWA) 300 ppm (ceiling conc.) 500 ppm (max. concentration)
ACGIH Threshold Limit Value (TLV)	500 ppm (TWA)	50 ppm (Skin)

Respiratory Protection: Use product in a well-ventilated area. Wear a NIOSH approved organic vapour/mist respirator if vapours or mist are generated.

Ventilation: Use local exhaust. Provide sufficient mechanical ventilation to maintain exposure below TLV's.

Skin Protection: Wear gloves if such contact with material is likely.

Eye Protection: Wear safety glasses or protective goggles to avoid splashes.

Other Protective Equipment: None required. Wash hands thoroughly with soap and water, if in contact with material.

Spill Procedures: Eliminate all sources of ignitions and soak up material with absorbent (sand, sawdust) and placed into closed containers for disposal. Dispose of all wastes in accordance with applicable regulations.

9. PHYSICAL & CHEMICAL PROPERTIES

Initial Boiling Point: N/A	Freezing Point: N/A
Specific Gravity (H₂O=1): 0.90	Physical State: Liquid
Vapour Density (Air=1): Heavier than air	% Volatiles: 48
Vapour Pressure (mm of mercury): Not Available	Solubility in water: Insoluble
Appearance and Odour: Clear or coloured liquid with solvent odour	Chemical type: Mixture

10. STABILITY & REACTIVITY

Chemical Stability: Stable
Freeze-Thaw-Stability: Will not freeze.
Hazardous combustion products: Smoke, fumes CO, CO₂ NO_x.
Hazardous Polymerization: Will not occur.
Condition to avoid: Extreme temperatures, keep away from ignition sources, heat and flames;

11. TOXICOLOGICAL INFORMATION

General Info: Toxicological testing has not been conducted for the overall product. The data shown below are available for individual ingredients:
Acetone and Toluene are **Not Classified as Human Carcinogen.**

COMPONENT	LD ₅₀	LC ₅₀
Acetone	5.8 g/kg, oral Rat	27,000 ppm
Toluene	>2g/kg oral, Rat >2g/kg skin, Rabbit	8,000 ppm, Rat

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste or incineration facility.
Disposal in accordance with applicable local or other government regulations.

14. TRANSPORT INFORMATION

TDG and DOT classification:
UN 1133 ADHESIVES containing flammable liquid
Class 3
P.G. II

15. REGULATORY INFORMATION

Canadian Regulatory Information:
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS and contains all the information required by the CPR.
W.H.M.I.S Classification: B2, D2A, D2B

Ingredients – U.S. Regulatory Information
SARA Title III Section 313 Form “R”/TRI Reportable Chemical

Other Regulations: EPA 40 CFR 51.100 Definition of VOC

SOR/2009-264 CEPA VOC Concentration Limits for Architectural Coatings Regulations: 226 gVOC/L

16. OTHER INFORMATION

Keep out of Reach of children.

Before using, the user shall determine the suitability of the product for its intended use and the user alone assumes all risks and liabilities whatsoever in connection therewith. Bondtac Technologies Incorporated assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the improper use of this product. Such vendees or users assume all risks with the use of the material.

The manufacturer believes the data contained herein are accurate as of the date hereof. This data is given without warranty or guarantee of any kind, expressed or implied and the manufacturer expressly disclaims all liability for reliance.

WHMIS Pictogram

