

## MATERIAL SAFETY DATA SHEET

Date Prepared: February 1, 2008

### 1. PRODUCT/COMPANY IDENTIFICATION

<b>Product Name:</b> <b>BONSAL B-4050 Multi Purpose Adhesive</b> <b>ProSpec B-4050 Multi Purpose Adhesive</b>	<b>Product No:</b> 201131 & 201130 201131& 201130
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**Emergency Telephone:**  
800-424-9300 (Chemtrec) or  
703-527-3887 (Outside USA)

**Manufacturer's Name & Address:**  
Bonsal American Inc./ an Oldcastle company  
8201 Arrowridge Blvd  
Charlotte, NC 28273

**Telephone Number for Information:**  
704-525-1621

### 2. EMERGENCY AND FIRST AID

**EMERGENCY INFORMATION:**

This product is a heavy bodied water-based product. Inhalation may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system or may cause or may aggravate certain lung diseases or conditions.

**EYES:**

Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Get medical attention if irritation occurs.

**SKIN:**

Wash skin with water and soap or a mild detergent. Seek medical treatment if irritation or inflammation develops.

**INHALATION:**

Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside.

**INGESTION:**

Do not induce vomiting. Call a physician immediately.

**3. COMPOSITION INFORMATION**

<b>DESCRIPTION:</b>	This product is a heavy body liquid. Its major components are:		
	Polymer Solids	16-25%	Proprietary
	Ethylene Glycol	1-4%	CAS #107-21-1
	Calcium Carbonate	40-50%	CAS # 471-34-1
	Stoddard Solvent	1-5%	CAS # 8052-41-3
	Dibutyl Phthalate	0-5%	CAS # 84-74-2
	Additives	1-8%	Proprietary

**4. HAZARDOUS INGREDIENTS**

COMPONENT	OSHA PEL (8-Hour TWA)	ACGIH TLV-TWA (1995-1996)	NIOSH REL (8-Hour TWA)
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<b>Ethylene Glycol</b> (CAS # 107-21-1)	550 ppm		50 ppm
<b>Dibutyl Phthalate</b> (CAS # 84-74-2)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	
<b>Stoddard Solvent</b> (CAS #8052-41-3)	100 ppm	100 ppm	
<b>1,2,4 Trimethylbenzene</b>	25 ppm	25 ppm	
<b>1,3,4 Trimethylbenzene</b>	25 ppm	25 ppm	

**TRACE INGREDIENTS:**

Due to the use of substances mined from the earth's crust, trace amounts of naturally occurring, potentially harmful constituents may be detected during chemical analysis. Metals maybe present in trace substitutions within the principal minerals.

Due to variations in the Stoddard Solvent, trace amounts of 1,2,4 Trimethylbenzene (CAS # 95-63-6) and 1,3,5 Trimethylbenzene (CAS # 108-67-8) may be present in finished product.

**5. HAZARD IDENTIFICATION**

<b>POTENTIAL HEALTH EFFECTS:</b>	NOTE: Potential health effects may vary depending upon the duration and degree of exposure. To reduce or eliminate health hazards associated with this product, use exposure controls or personal protection methods as described in Section 10.
<b>EYE CONTACT:</b>	(Acute/Chronic) Exposure to product may cause immediate or delayed irritation or inflammation of the cornea. Eye contact by larger amounts or splashes of wet product may cause effects

ranging from slight to moderate eye irritation.

**SKIN CONTACT:**

(Acute) Exposure to liquid product may cause drying of the skin with consequent mild irritation or more significant effects attributable to aggravation of other conditions. Discomfort or pain cannot be relied upon to alert a person to a hazardous skin exposure.

(Chronic) Product coming in contact with skin may cause skin irritation. Prolonged exposure can cause skin damage.

(Acute/Chronic) Some individuals may exhibit an allergic response upon exposure to product. The response may appear in a variety of forms ranging from a mild rash to severe irritation.

**INHALATION:**

(Acute) Exposure to product may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation of product.

**INGESTION:**

(Acute/Chronic) Internal discomfort or ill effects are possible if large quantities are swallowed.

**CARCINOGENIC POTENTIAL:**

Product is not recognized as a carcinogen by NTP, OSHA, or IARC. However, it may contain trace amounts of heavy metals recognized as carcinogens by these organizations.

**NOTE:** This product contains petroleum distillates.

**6. ACCIDENTAL RELEASE MEASURES**

Contain material to prevent contamination of soil, surface water or ground water. Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate labeled container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 12.

**7. PHYSICAL/CHEMICAL DATA**

<b>APPEARANCE/ODOR:</b>	White / slight acrylic	<b>PHYSICAL STATE:</b>	Viscous paste
<b>BOILING POINT:</b>	212° F (100° C)	<b>MELTING POINT:</b>	Not determined
<b>VAPOR PRESSURE:</b>	Not determined	<b>VAPOR DENSITY:</b>	Not determined
<b>pH</b>	7.5-10.0	<b>SOLUBILITY IN WATER:</b>	Soluble
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1.0):</b>	1.2-1.5	<b>EVAPORATION RATE:</b>	Not determined

<b>8. FIRE AND EXPLOSION</b>
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<b>FLASH POINT:</b>	Unknown	LOWER EXPLOSIVE LIMIT:	Not available
<b>AUTO IGNITION TEMPERATURE:</b>	Unknown	UPPER EXPLOSIVE LIMIT:	Not available
<b>FLAMMABLE LIMITS</b>	Unknown	<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog apparatus and full protective clothing.
<b>EXTINGUISHING MEDIA:</b>	Use extinguishers appropriate for surrounding fire.	<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b>	Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overheated. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat.
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	None		

<b>9. STABILITY AND REACTIVITY DATA</b>
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<b>STABILITY:</b>	Product is normally stable at ambient temperatures and pressures.
<b>INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):</b>	Avoid contact with strong alkalis, strong mineral acids, or strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION:</b>	May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide; carbon dioxide; lower molecular weight polymer fractions; Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.

<b>10. PRECAUTIONS FOR HANDLING AND STORAGE</b>
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**HANDLING AND STORAGE**

Keep dry until used. Handle and store in a manner so that airborne dust does not exceed applicable exposure limits. Use adequate ventilation and dust collection. Use exposure control and personal protection methods as described in Section 10.

**SPILLS:**

Use dry clean-up methods that do not disperse dust into the air or entry into surface water. Material can be used if not contaminated. Place in an appropriate container for disposal or use. Avoid inhalation of dust and contact with skin and eyes. Use exposure control and personal protection methods as described in Section 10.

**11. TOXICOLOGICAL INFORMATION**

See Section 5 for Hazard Identification. No recognized unusual toxicity to plants and animals.

Conditions aggravated by exposure: Eye disease, Skin disorders and Chronic Respiratory conditions.

**12. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

Use local exhaust or general dilution ventilation to control levels below applicable exposure limits. Minimize dispersal into the air. Avoid breathing vapor spray mist.

If local or general ventilation is not adequate to control below applicable exposure limits or when dust causes irritation or discomfort, use MSHA/NIOSH approved respirators.

**EYE PROTECTION:**

Wear safety glasses with side shields or goggles to avoid contact with the eyes. In unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when handling this product.

**SKIN PROTECTION:**

Wear impervious abrasion- and alkali-resistant gloves, long-sleeved shirt, long pants or other protective clothing to prevent skin contact. Promptly remove clothing dusty with dry product or clothing dampened with moisture mixed with product, and launder before re-use. If contact occurs, wash areas contacted by material with soap and water.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL:**

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/ Provincial and local laws and regulations of unusable or contaminated materials. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the

responsibility solely of the waste generator. Dispose of packaging/containers according to local, state and federal regulations.

**IF THIS MATERIAL AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVER ACT (40CFR 261), DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.**

#### 14. TRANSPORTATION DATA

Proper Shipping Name(DOT): Adhesive/ Epoxy – Non-flammable, Non-hazardous.

#### 15. OTHER REGULATORY INFORMATION

**Status under US OSHA Hazard  
Communication Rule 29 CFR 1910.1200:**

Product is considered a hazardous chemical under this regulation and should be included in the employer's hazard communication program.

#### 16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's obligation to determine the conditions of safe use of this product.