

**MATERIAL SAFETY DATA SHEET**

**Company Name:** C.R. Laurence Australia  
**Address:** 9 Shale Place  
**City / State / Zip:** Eastern Creek, NSW 2766  
**AU Phone:** 1800-424-275  
**Vendor Update:** 1/5/2004  
**Date Prepared:** 2/16/2005  
**MSDS Number:** 5504AL ; 5504BRZ ; 5504W ; SJ8850GLAL ;  
 SJ8850GLBRZ ; SJ8850GLC ; SJ885GLAL ;  
 SJ885GLBRZ ; SJ885GLC ; SJ885GLW ; SJ88GLAL ;  
 SJ88GLBRZ ; SJ88GLC ; SJ88TUAL ; SJ88TUC ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** SMALL JOINT SEALER  
**HMIS Ratings:** Health: Slight(1)  
 Flammability: Serious(3)  
 Instability/Reactivity: Minimal(0)  
 Personal Protective Equipment: G  
**NFPA Ratings:**

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
ACRYLIC RESIN/TOLUENE SOLUTION	PROPRIETARY		50 PPM		188 MG/M <sup>3</sup>		
<b>Notes</b>							
TOLUENE	108-88-3	37 - 42	50 PPM	200 PPM	188 MG/M <sup>3</sup>		
<b>Notes</b>							

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Skin:** EXCESSIVE SKIN CONTACT CAN CAUSE IRRITATION, DRYING AND POSSIBLE EDEMA.  
**Ingestion:** NOT LIKELY  
**Inhalation:** INHALATION OF EXCESSIVE VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA AND POSSIBLE HEADACHES.  
**Signs and Symptoms of Exposure:** CHRONIC EFFECTS OF OVEREXPOSURE ARE LOSS OF APPETITE AND NOSE BLEEDING.  
**Other:** CARCINOGENICITY:  
 NTP? NO  
 IARC MONOGRAPHS? NO  
 OSHA REGULATED? YES

**IV. FIRST AID MEASURES**

**Eyes:** FLUSH WITH WARM WATER FOR 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.  
**Skin:** WASH WITH SOAP AND WATER FOR 15 MINUTES.  
**Ingestion:** DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION.  
**Inhalation:** MOVE VICTIM TO FRESH AIR, IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. SEEK IMMEDIATE MEDICAL ATTENTION.

**V. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	31.0°F
<b>Test Method:</b>	ASTM D56 (TAG CLOSED CUP)
<b>Lower Flammability Limit:</b>	1.27 (TOLUENE)
<b>Upper Flammability Limit:</b>	7.1 (TOLUENE)
<b>Extinguishing Agents:</b>	USE CARBON DIOXIDE, DRY CHEMICAL, FOAM OR WATER SPRAY.
<b>Unusual Fire or Explosion Hazards:</b>	THIS PRODUCT, IN AN UNCURED STATE, EMITS VAPORS THAT ARE VOLATILE AND FLAMMABLE. ONCE THIS PRODUCT HAS CURED, IT IS NON-FLAMMABLE.
<b>Fire Fighting Procedures:</b>	FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

**VI. ACCIDENTAL RELEASE MEASURES**

<b>Containment/Cleanup:</b>	STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: ELIMINATE ALL IGNITION SOURCES, CONTAIN SPILL AND SHOVEL INTO AN APPROPRIATE CONTAINER.
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**VII. HANDLING AND STORAGE**

<b>Other:</b>	THERE SHOULD BE NO SMOKING ALLOWED IN THE AREAS WHERE THIS PRODUCT IS USED. KEEP AWAY FROM ALL HEAT AND IGNITION SOURCES AS WELL AS OXIDIZING AGENTS. STORE MATERIAL BELOW 80°F AND ROTATE STOCK CONTINUALLY.
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**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Eyes:</b>	SAFETY GLASSES.
<b>Skin:</b>	GLOVES: CHEMICAL RESISTANT, IMPERVIOUS OTHER PROTECTIVE CLOTHING OR EQUIPMENT: USE A CHEMICAL APRON TO PROTECT CLOTHING IF NEEDED.
<b>Respiratory:</b>	USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC CARTRIDGES IN CONFINED AREAS, 500 PPM: CCROV/SA/SCBA.
<b>Engineering:</b>	LOCAL EXHAUST AND MECHANICAL: IF NEEDED.
<b>Other:</b>	WORK/HYGIENIC PRACTICES: ALWAYS WASH HANDS AFTER WORKING WITH THIS MATERIAL; USE GOOD HYGIENE PRACTICES.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	COLOR OF PIGMENT, FLOWABLE VISCOUS MATERIAL
<b>Boiling Point:</b>	110.6° C (TOLUENE)
<b>Freezing Point:</b>	N/A
<b>Solubility in Water:</b>	INSOLUABLE
<b>Specific Gravity:</b>	0.99 (H <sub>2</sub> O=1)
<b>Vapor Pressure:</b>	28.5 MM (TOLUENE)
<b>Vapor Density:</b>	3.2 (TOLUENE)
<b>Volatile Content:</b>	NON VOLATILE (% WEIGHT): 58–63% VOLATILE ORGANIC CONTENT

3.50 LBS/GAL, 420 GRAMS/LITER

**Other:** EVAPORATION RATE (BuAc = 1): 1.9 (TOLUENE)**X. STABILITY AND REACTIVITY****Stability:** STABLE**Hazardous Polymerization:** WILL NOT OCCUR**Hazardous Decomposition Products:** DURING A FIRE THIS MATERIAL MAY FORM CARBON DIOXIDE, CARBON MONOXIDE AND OTHER VARIOUS HYDROCARBON FUMES.**Incompatible Products:** AVOID CONTACT WITH OXIDIZING AGENTS.**Conditions To Avoid:** AVOID HEAT, SPARKS AND ANY OTHER SOURCES OF IGNITION.**XI. TOXICOLOGICAL INFORMATION****XII. ECOLOGICAL INFORMATION****XIII. DISPOSAL CONSIDERATIONS****Disposal Method:** DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL COMPLIANCE REGULATIONS.**XIV. TRANSPORT INFORMATION****D.O.T. Shipping Name:** FLAMMABLE LIQUID, N.O.S. 3, UN1993, PG II (CONTAINS TOLUENE)**D.O.T. Hazard Class:** FLAMMABLE LIQUID**XV. REGULATORY INFORMATION****EPA Sara Title III Chemical** SECTION 313 TOXIC CHEMICALS:**Listings:** PURSUANT TO SECTION 313 OF SARA TITLE III, THIS PRODUCT CONTAINS ONE OR MORE TOXIC CHEMICALS THAT ARE PRESENT IN A CONCENTRATION IN EXCESS OF ONE PERCENT OF THE MIXTURE (0.1 PERCENT, IF THE LISTED CHEMICAL IS A CARCINOGEN):  
Chemical TOLUENE CAS # 108-88-3**California:** PROP 65 WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**XVI. OTHER INFORMATION****WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.