

# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS)*

## 1. Product and Supplier Identification

**Product:** Super Bio Strip Liquid or Gel

**Product Use:** Graffiti Remover

**Supplier:** Canadian Building Restoration Products, Inc.,  
1434 Rupert Street,  
North Vancouver, BC Canada V7J 1E9  
Emergency Telephone: (604) 980-3325

**Manufacturer:** American Building Restoration Products, Inc.,  
9720 South 60<sup>th</sup> Street,  
Milwaukee, Wisconsin, USA, 53132

## 2. Composition

Component	% (w/w)	Exposure Limits
Monoethanolamine (CAS No 141-43-5)	4-6	(TLV-TWA) : 3 ppm (7.5 mg/m3) (TLV-STEL) : 6 ppm (15 mg/m3)
Tetrahydrofurfuryl alcohol (CAS No. 97-99-4)	14-16	(TLV-TWA) : Not established

## 3. Hazards Identification

### Routes of Entry:

Skin Contact: Minor    Eye Contact: Major    Ingestion: Moderate    Inhalation: Minor

**Acute Health Effects:** Direct contact may cause minor irritation of the skin. In persons predisposed to skin problems, minor rash may occur. Contact with the eyes may cause severe irritation affecting corneal opacity. Although ingestion is not a typical route of entry, ingesting small amounts may cause abdominal discomfort. Inhalation of vapours may cause dizziness, headache, nausea, and difficulty breathing.

**Chronic Health Effects:** Prolonged contact with the skin may cause redness, rash leading to dermatitis.

## 4. First Aid Measures

**EYE CONTACT:** Flush contaminated eye(s) with lukewarm, gently running water for 30 minutes, holding eyelids open. Seek medical attention if irritation persists.

**SKIN CONTACT:** Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

**INHALATION:** This is an unlikely route of entry, but if victim has been exposed to vapours remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

**INGESTION:** Induce vomiting immediately by sticking finger down the throat or by giving syrup of ipecac and have victim lean forward to reduce risk of aspiration. Seek medical attention.

## 5. Fire Fighting Measures

<b>Flash point:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable. See information under "Fire Fighting Instructions"
<b>Lower Explosive Limit:</b>	Not applicable
<b>Upper Explosion Limit:</b>	Not applicable
<b>Sensitivity to Impact:</b>	Not sensitive.
<b>Sensitivity to Static Discharge:</b>	Not sensitive.

**Hazardous Combustion Products:** Burning may produce carbon monoxide and carbon dioxide.

**Extinguishing Media:** Use a means of extinguishing surrounding fire.

**Fire Fighting Instructions:** This product is an aqueous solution, and will not combust. Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus.

## 6. Accidental Release Measures

**Personal Protection:** See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

**Environmental Precautions:** Not expected to have any environmental impact.

**Cleanup Procedures:** Absorb onto sand or other inert absorbent media. Shovel into approved closable waste containers for disposal. Thoroughly flush residue with water.

## 7. Handling and Storage

**Handling Procedures:** Use in an adequately ventilated area. Keep container tightly closed when not in use. Avoid methods of use that will cause misting of product. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

**Storage:** Store in cool, dry place and in an upright position to prevent leakage and away from acids.

## 8. Exposure Controls, Personal Protection

**Engineering Controls:** If used indoors, ensure adequate ventilation by using local exhaust.

**Respiratory Protection:** If product is atomized, or heated to product vapours, use a NIOSH approved organic vapour respirator.

**Skin Protection:** Wear impervious gloves and clothing such as a rubber gloves and apron to prevent skin contact.

**Eye and Face Protection:** Chemical splash-proof goggles must be worn at all times.

**Footwear:** As required by worksite rules.

**Other:** Eye wash station should be located near work area.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Amber coloured liquid, or reddish-brown gel	<b>Vapour Density:</b>	3.38 (air = 1)
<b>Odour:</b>	Mild odour	<b>Freezing Point</b>	7 °C
<b>Odour Threshold:</b>	10 ppm	<b>Boiling Point:</b>	154 °C
<b>pH:</b>	7.7	<b>Critical Temperature:</b>	Not applicable.
<b>Vapour Pressure:</b>	Not available.	<b>Relative Density:</b>	1.33 (water = 1)
<b>Solubility:</b>	Soluble in water in all concentrations.	<b>Partition Coefficient:</b>	No data
		<b>Evaporation Rate:</b>	Very slow, hygroscopic.

## 10. Stability and Reactivity

**Chemical Stability and Reactivity:** Product is stable. Product may react with strong mineral acids.

**Incompatibility:** Avoid mixing with acid, solutions containing ammonium and any active metal such as zinc, aluminum, magnesium, brass, or bronze.

**Hazardous Decomposition Products:** Carbon dioxide and carbon monoxide. When mixed with acids, the release of hydrogen in an exothermic reaction may take place.

**Hazardous Polymerization:** Hazardous polymerization will not occur.

## 11. Toxicological Information

**Acute Exposure** Theoretical oral LD<sub>50</sub> for the product is greater than 20 g/kg (oral/rat). The LD<sub>50</sub> (dermal) has not been determined.

<b>Chronic Exposure:</b>	See Section 3.
<b>Exposure Limits:</b>	See Section 2.
<b>Irritancy:</b>	See Section 3.
<b>Sensitization:</b>	See Section 3.
<b>Carcinogenicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Reproductive toxicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Synergistic products:</b>	None reported.

## 12. Ecological Information

**Environmental toxicity:** No data available.

**Biodegradability:** No data available.

## 13. Disposal Considerations

**Canadian Environmental Protection Act:** All ingredients are listed on the DSL. Dispose according to all local, provincial and federal requirements.

## 14. Transport Information

**Canadian Transportation of Dangerous Goods Regulations:** Not regulated.

**International Air Transport Association (IATA):** Not regulated.

**International Maritime Organization (IMO):** Not regulated.

## 15. Regulatory Information

**Canadian Federal Regulations:**

**Canadian Environmental Protection Act:** All ingredients are on the Domestic Substances List.  
**WHMIS Classification:** E, D2B

## 16. Other Information

**Preparation Date:** February 17, 2000

**Prepared by:** Kel-Ex Agencies Ltd., P.O. Box 86643, North Vancouver, BC, Canada, V7L 4L2

## **Super Bio Strip Liquid or Gel**

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Comments: This Material Safety Data Sheet was prepared using information provided by Canadian Building Restoration Products, Inc., and CCINFO.

**Revisions:** None