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: **ABR Fast Finish Remover**

Product Use: Finish Remover and Stripper

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 60th Street,
Milwaukee, Wisconsin, USA, 53132

2. Composition

Component	% (w/w)	Exposure Limits
Potassium Hydroxide (CAS No 1310-58-3)	19%	PEL-C 2 mg/m^3

3. Hazards Identification

Routes of Entry:

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

Acute Health Effects: Direct contact with skin will produce deep burns, which may cause scarring. This product is extremely corrosive to the eyes. Contact may cause ulceration, and permanent blindness may occur. Although inhalation is an unlikely route of entry, misting or atomization of the product will cause severe irritation of the respiratory tract. In severe cases, pulmonary edema (severe, life threatening lung injury) may occur. Ingestion is not a primary route of entry, however, if ingested, can cause burning of the esophagus, stomach and duodenum. Symptoms may include excessive salivation, pain, vomiting and retching.

Chronic Health Effects: In general, long-term exposure is not expected to cause any effects that are not also caused by short-term exposure. Prolonged contact with skin may cause dermatitis. Not considered to be a sensitizer.

4. First Aid Measures

Eye Contact: Flush contaminated eye(s) with lukewarm, gently running water for 60 minutes by the clock, holding eyelids open. Use a neutral saline solution, if available to bathe the eyes. **Do not interrupt** the flushing of the eyes. If necessary, keep emergency vehicle waiting. Take care not to contaminate unaffected eye, or face. Transport victim to emergency center as soon as is possible. Seek immediate medical attention.

Skin Contact: Remove contaminated clothing including watchbands, shoes, belts, etc. Flush affected area immediately with lukewarm, gently flowing water for at least 60 minutes, by the clock. **Do not interrupt** the flushing of the skin. If necessary, keep emergency vehicle waiting. Transport victim to emergency center as soon as is possible. Seek immediate medical attention. Discard any contaminated clothing.

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: Never give anything by mouth if victim is rapidly losing consciousness. Have victim rinse mouth thoroughly with water. **Do not induce vomiting**. Dilute contents of stomach with 240 to 300 ml of water. If milk is available, it may be administered after giving water. If vomiting occurs naturally have victim lean forward to reduce risk of aspiration. Repeat dilution by giving water as above. Seek medical attention by transporting to an emergency facility quickly.

Potential for Accumulation: Will not accumulate

5. Fire Fighting Measures

Flash point:	Not applicable
Autoignition temperature:	Not applicable. See information under “Fire Fighting Instructions”
Lower Explosive Limit:	Not applicable
Upper Explosion Limit:	Not applicable
Sensitivity to Impact:	Not sensitive.
Sensitivity to Static Discharge:	Not sensitive.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, fume of potassium oxide.

Extinguishing Media: Use carbon dioxide, dry chemical, or alcohol foam.

Fire Fighting Instructions: Do not enter confined fire space without proper personal protection. Use approved positive pressure self-contained breathing apparatus. Do not use water except as a fog. Product will float on water and can be re-ignited. Cool surrounding containers with water spray.

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: This product is toxic and highly corrosive. Before handling, it is imperative that the personal equipment requirements and personal hygiene measures be followed. Inspect containers for damage or leaks before handling. Unprotected persons should avoid all contact with this product including contaminated equipment. Do not use with incompatible materials such as strong acids, organo-halogen compounds. Do not use on aluminum, zinc, or tin. Avoid uses that may cause the product to mist or splash such as rinsing with high-pressure water sprays. Ensure all containers are correctly labeled indicating hazards.Keep container tightly closed when not in use. Wash face and hands thoroughly after handling, and before eating, drinking, or using tobacco products.

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

8. Exposure Controls, Personal Protection

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

Respiratory Protection: Under normal conditions of use, there is little chance for this product to become airborne. For concentrations up to 10 mg/m3, use supplied air respirator (SAR).

Skin Protection: Use chemical protective gloves, coveralls, aprons, overshoes.

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

Footwear: Chemical resistant boots or overshoes.

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

9. Physical and Chemical Properties

Appearance:	Brownish Semi-Liquid	**Vapour Density:**	Not applicable
		Freezing Point	7 ^{o}C
Odour:	Mild, irritating odour	**Boiling Point:**	115 ^{o}C
Odour Threshold:	Not determined	**Critical Temperature:**	Not applicable.
pH:	12	**Relative Density:**	1.09
Vapour Pressure:	Not applicable		(water = 1)
Solubility:	Limited solubility in water.	**Partition Coefficient:**	No data
		Evaporation Rate:	Not applicable

10. Stability and Reactivity

Chemical Stability and Reactivity: Product is stable. Product reacts vigorously when mixed with strong acids.

Incompatibility: Avoid contact with solutions containing ammonium compounds, active metals such as aluminum, zinc, magnesium, brass, or bronze.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, potassium oxide fume.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Exposure: Corrosive and Toxic. Theoretical LD_{50} (rat/oral) for product is 263 mg/kg

Chronic Exposure:	See Section 3.
Exposure Limits:	See Section 2.
Irritancy:	See Section 3.
Sensitization:	See Section 3.
Carcinogenicity:	Information not available
Teratogenicity:	Information not available
Reproductive toxicity:	Information not available
Mutagenicity:	Information not available
Synergistic products:	Alcohols may reactive synergistically with chlorinated solvents.

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: CORROSIVE LIQUID, POISONOUS, N.O.S. (Potassium hydroxide), Class 8, UN 1814, P.G.II

International Air Transport Association (IATA): Corrosive Liquid, Toxic, n.o.s.(Potassium hydroxide), Class 8, UN 1814, P.G.II
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International Maritime Organization (IMO): Corrosive Liquid, Toxic, n.o.s.(Potassium hydroxide), Class 8, UN 1814, P.G.II

15. Regulatory Information

Canadian Federal Regulations:

Canadian Environmental Protection Act: All ingredients are on the Domestic Substances List.
WHMIS Classification: E, D1B, D2B

16. Other Information

Preparation Date: February 17, 2000

Prepared by: Canadian Building Restoration Products, 1434 Rupert Street, N. Vancouver, B.C. V7J 1E9

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

Revisions: None