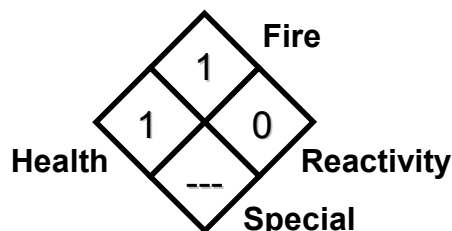


# MATERIAL SAFETY DATA SHEET



UTILIZING PATENTED TECHNOLOGY DEVELOPED BY Napier Environmental Technologies Inc.



## NFPA 704 DESIGNATION HAZARD RATING

4 = Extreme      3 = High      2 = Moderate  
1 = Slight      0 = Insignificant

WHMIS CLASSIFICATION: D-2B

**PATENT PROTECTED TECHNOLOGY**

Issue Date: 06/29/2004

Supersedes: 12/19/2003

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT IDENTIFIER:** Removall 220

**PRODUCT USE:** Industrial Paint Remover

**MANUFACTURED BY:** NAPIER ENVIRONMENTAL TECHNOLOGIES INC.

720 Eaton Way

Delta, BC V3M 6J9

PHONE: 604-526-0802 FAX: 604-526-7772

EMERGENCY PHONE NUMBER

1-800-663-9274

## 2. COMPOSITION & INFORMATION ON INGREDIENTS

<u>Component</u>	<u>% weight</u>	<u>CAS #</u>	<u>SARA Title III Section 313</u>	<u>RCRA</u>	<u>CARCINOGENICITY (As per 29CFR 1910-1200)</u>
Aromatic Alcohol	<40	100-51-6	Not Listed	No	No

### NO HAP's OR TAP's ARE IN THIS PRODUCT.

All components are listed in the TSCA inventory (U.S.) and on the DSL (Canada).  
The above information is based on component manufacturer's Material Safety Data Sheets.

## 3. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Pale orange	<b>Bulk Density</b>	N/D
<b>Odor</b>	Specific	<b>Vapor Pressure</b>	Not determined
<b>Odor Threshold</b>	N/A	<b>Vapor Density</b>	Heavier than Air
<b>Molecular Formula</b>	Mixture	<b>Evaporation Rate (n-Butyl Acetate=1)</b>	< 1
<b>Molecular Weight</b>	N/A	<b>VOC content</b>	67.5 g/l (0.562 lbs/gal)
<b>Boiling Point</b>	Not determined	<b>% Volatiles</b>	> 90%
<b>Freezing Point</b>	Not determined	<b>Solubility in Water</b>	Dispersible
<b>Specific Gravity</b>	1.02	<b>Viscosity (cPs)</b>	5000-13000
<b>Density (lbs/gal)</b>	8.51	<b>pH (direct reading)</b>	3.5-4.5

## 4. STABILITY & REACTIVITY

<b>GENERAL:</b>	This product is stable and hazardous polymerization will not occur.
<b>CONDITIONS TO AVOID:</b>	Hot or cold storage.
<b>INCOMPATIBLE MATERIAL:</b>	Strong oxidizers, acids and alkalis.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Thermal decomposition (combustion) will produce carbon monoxide and dioxide.
<b>SENSITIVITY TO MECHANICAL IMPACT:</b>	This product is not sensitive to mechanical impact.
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	This product is not sensitive to static discharge.

**5. HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:** Exposure to vapor and mists, or direct contact with product may cause slight to moderate eye irritation. Symptoms of exposure may include: a stinging sensation, excess blinking and tear production, redness and swelling of the conjunctiva.

**SKIN CONTACT:** Repeated or prolonged exposure to vapors, mists, or foam may cause slight irritation. Symptoms of exposure may include: redness and a burning sensation. Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material, with identical symptoms as ingestion.

**INGESTION:** Ingestion may cause moderate to severe irritation of the gastrointestinal tract. Symptoms of exposure may include: nausea, headache, dizziness, and abdominal pain.

**INHALATION:** Exposure to vapor or mists may cause moderate to severe irritation of respiratory tract. Symptoms may include: headache, nausea, coughing, chest pain and vomiting.

TERATOGENICITY:	None	MUTAGENICITY:	None
REPRODUCTIVE TOXICITY:	None	CARCINOGENICITY:	None

**6. FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of clean running water for at least 15 minutes

**SKIN CONTACT:** Immediately flush skin with plenty of clean running water while removing contaminated clothing. Continue for at least 15 minutes. If irritation is evident or discoloration persists, seek medical attention.

**INHALATION:** Immediately move to fresh air. Seek medical attention if irritation persists.

**INGESTION:** DO NOT induce vomiting unless directed by medical personnel. Drink large quantities of milk or water. Seek medical attention.

**7. FIRE FIGHTING MEASURES**

**GENERAL:** **THIS PRODUCT IS NON-FLAMMABLE.**

**FLASHPOINT AND METHOD:** None up to 100°C (212°F) (PMCC)

**FLAMMABLE LIMITS (in air, % by volume):** Lower: N/A Upper: N/A

**AUTOIGNITION TEMPERATURE:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition of this product will produce carbon monoxide, carbon dioxide and other toxic volatiles.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**CONTROL MEASURES:** Where product is heavily sprayed, local exhaust ventilation should be implemented.

**RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATOR:** Not required for brush applications. Where product is heavily sprayed in enclosed spaces, use MSHA/NIOSH approved mist organic vapor cartridge (OVD/DM #8741 or #8751A).

**EYES:** Chemical splash goggles.

**GLOVES:** Rubber or Neoprene.

**CLOTHING:** Tyvec coveralls or rubber or neoprene apron.

**FOOTWEAR:** Impervious boots.

**OTHER :** Eye wash station and safety shower should be available in the work area.

**. HANDLING AND STORAGE**

**STORAGE TEMPERATURE:** 4 - 30 °C (39 - 86° F)      **STORAGE PRESSURE:** Ambient

**GENERAL:** **Prior to each use, mix well.** Store in a well ventilated area. Avoid contamination of any kind. Potential immersion elements such as drum pumps and hoses should be removed after each use. Empty containers should be thoroughly rinsed with water and disposed of according to local regulations.

**Cautionary Note:** Care should be exercised when moving in or around product application areas (particularly oversprayed areas) as contacted surfaces become very slippery.

**10. ACCIDENTAL RELEASE MEASURES**

**LAND SPILL:** Wearing recommended protective clothing, dike spill using soil, sand or compatible commercial absorbent. Pick up bulk of product using pumps or vacuum truck or absorb product in sand or commercial absorbent. Place in approved containers for recovery or disposal. Flush spill area with water, collect rinsates and containerize for disposal. Prevent runoff from contaminating storm sewers, streams or other bodies of fresh water. Rinsates may be disposed of in sewers leading to a municipal or city treatment facility or an internal treatment facility.

**WATER SPILL:** This material is considerably soluble in water. Stop or divert water flow. Dike contaminated water and remove from disposal and/or treatment. Notify all downstream users of possible contamination.

**11. DISPOSAL CONSIDERATIONS**

**RCRA 40 CFR 261 CLASSIFICATION:** Not Classified

**U.S. EPA WASTE NUMBER/DESCRIPTION:** None

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. As a non-hazardous liquid waste, it should be disposed of in accordance with all local, state or provincial, and federal regulations. Consult state or provincial or local officials for proper disposal method.

**12. TRANSPORTATION INFORMATION**

**Removall 220 is NOT regulated as a hazardous material under the regulations of the U.S. DOT, IMDG or in Canada TDG.**

*This Material Safety Data Sheet is provided as an information resource only. It should not be taken as a warranty or representation for which Napier Environmental Technologies Inc. assumes legal responsibility. While Napier Environmental Technologies Inc. believes the information contained herein is accurate and compiled from sources believed to be reliable, it is the responsibility of the user to investigate and verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with applicable federal, state, provincial and local regulations.*