



## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES  
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

**PRODUCT NAME**  
 Vandal Mark Remover

**USE/DESCRIPTION**  
 Vandalism Mark Remover

**REVISION DATE**  
 January 4, 2013

#### HMIS III HEALTH (0 = Maximum Safety) 2

**Always follow Label Directions and Cautions.**

\* Chronic 2 Moderate  
 4 Severe 1 Slight  
 3 Serious 0 Minimal  
**See Hazards Identification Section of this MSDS for more detailed information.**

#### PHYSICAL HAZARD (0 = Maximum Safety) 0

**Susceptible to Release of Energy.**

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance  
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.  
0 Normally stable.

#### FLAMMABILITY (0 = Maximum Safety) 2

**Susceptibility of Material to Burning.**

4 Extremely flammable. 1 Must be preheated  
 3 Ignites at normal temperature. to burn.  
 2 Ignites when moderately heated. 0 Will not burn.

**PERSONAL PROTECTION: B**



### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Ethylene glycol monobutyl ether	111-76-2	30-60	25 ppm SKIN	50 ppm SKIN	530 mg/kg (rat/oral)	450 ppm 4 hr rat
d-1,8(9)-p-menthadiene	5989-27-5	30-60	NE	NE	4400 mg/kg (rat/oral)	NE
N-Methyl-2-pyrrolidinone	872-50-4	5-10	NE	NE	3914 mg/kg (rat/oral)	NE
Amyl acetate	628-63-7	3-7	100 ppm	100 ppm	6500 mg/kg (rat/oral)	NE
2-Methyl butyl acetate	624-41-9	3-7	NE	NE	NE	NE

### 3. HAZARDS IDENTIFICATION

**Eyes:** Can cause severe irritation, redness, tearing, and blurred vision.

**Skin:** Brief contact may cause slight irritation with itching and local redness. Prolonged contact may cause more severe irritation with discomfort or pain, local redness and swelling.

**Inhalation:** May cause nose, throat, and respiratory tract irritation, coughing, and headache.

**Ingestion:** May cause headache, dizziness, nausea, vomiting, diarrhea, and general weakness.

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

**Skin:** Wash with soap and plenty of water. If symptoms develop, seek medical attention.

**Inhalation:** Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration.

### 5. FIRE FIGHTING MEASURES

**Flash Point (TCC):** 115F/47C

**Explosive Limits:** Lower (LEL): ND Upper (UEL): ND

**Flame Projection (Aerosol):** NA

**Hazardous Products of Combustion:** When strongly heated, as in a fire, this product may produce oxides of carbon and phosphorus.

**Fire and Explosion Hazards:** Combustible liquid. Keep away from heat, sparks and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

**Extinguishing Media:** Dry chemical; Foam; CO2

**Fire Fighting Instructions:** Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up.

## 6. ACCIDENTAL RELEASE MEASURES

**Small Spills:** Remove all sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

**Large Spills:** Same as above.

## 7. HANDLING AND STORAGE

Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area away from sources of ignition. Keep closed containers from hard freezing as this could cause the drum to rupture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses are recommended.

**Skin:** Chemical resistant gloves are recommended.

**Respiratory:** None required if good ventilation is maintained.

**Engineering Controls:** Provide adequate ventilation. Mechanical ventilation recommended when handling in enclosed/tight spaces.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >288F/143C    **Specific Gravity:** 0.90 (H<sub>2</sub>O=1)    **Vapor Pressure:** ND    **Melting Point:** ND

**Vapor Density:** ND    **Evaporation Rate:** <1 (BA=1)    **Solubility in Water:** Miscible    **pH:** NA

**Appearance and Odor:** Pale amber viscous liquid or gel with slight fruity banana scent

## 10. STABILITY AND REACTIVITY

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition:** When strongly heated, as in a fire, this product may produce oxides of carbon and phosphorus.

**Chemical Stability:** Stable

**Incompatibility:** Do not mix this product with other cleaning chemicals, especially acids or strong oxidizing agents such as bleach.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity (NTP/IARC/OSHA):** None

**California Proposition 65:** Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? No

## 12. ECOLOGICAL INFORMATION

ND

## 13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

## 14. TRANSPORT INFORMATION

**DOT:** Available upon request.

**TDG:** Available upon request.

**UN:** Available upon request.

## 15. REGULATORY INFORMATION

**VOC (Volatile Organic Compounds):** Approximately 92%

**TSCA (Toxic Substances Control Act):** Listed

**SARA Title III Section 302 EHS:** None

**SARA Title III Section 311/312:** ND

**SARA Title III Section 313 Toxic Chemicals:** Ethylene glycol monobutyl ether C# 111-76-2

**WHMIS Classification:**

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

**AMRO NB625 Vandal Mark Remover**

**PREPARED BY:** Tech Dept.