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 \* MATERIAL SAFETY DATA SHEET \*  
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F-045 \* VANDAL MARK REMOVER \*

REVISED DATE.....: 23-MAR-96

Manufacturer:

Midco Products Co Inc  
 620 Spirit of St. Louis Blvd  
 Chesterfield, MO 63005-1005

EMERGENCY RESPONSE:

CHEMTREC .....: 1-800-424-9300

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 \* SECTION I - GENERAL INFORMATION \*  
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Product Name.....:VANDAL MARK REMOVER

Product Code.....:68-22 F-045

20 oz AEROSOL CAN

30 B STORAGE CODE: LEVEL# 3

NFPA HAZARD RATINGS

Health.....: 2 Flammability...: 3

Reactivity.: 0

D.O.T. HAZARDOUS GUIDE NO. 12, 26, 74

DOT Hazard Class.:ORH-D

DOT Proper Shipping Name: CONSUMER COMMODITY

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 \* SECTION II - HAZARDOUS INGREDIENTS \*  
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CHEMICAL NAME	CAS Number	OSHA PEL	ACGIH TLV	WEIGHT %	V.O.C. %
1. Methylene Chloride *	75-09-2	500 ppm	50 ppm	5-10	
2. Toluene * *	100-88-3	200 ppm	100 ppm	15-25	
3. Ethanol	64-17-5	1000 ppm	1000 ppm		
4. Ethylene Glycol Monobutyl Ether *	111-76-2	50 ppm	25 ppm	5-10	
5. Diethylene Glycol Monoethyl Ether *	111-90-0	Not Est.	Not Est.	10-15	
6. Propane	74-98-6	1000 ppm	1000 ppm		
7. Isobutane	75-28-5	Not Est.	800 ppm		
				TOTAL	91.5

\* SARA 313 Information:

Subject to the reporting and supplier notification of SARA 313.

\* RQ #1 1000 lbs - #2 1000 lbs. \* May contain traces of benzene. - #4 N/A - #5 N/A

F-045 SECTION III - PHYSICAL DATA

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Boiling Point (C.).....:Not Established.

Specific Gravity (H2O=1)(@ 25 C.)...:0.88

Vapor Pressure (psig @ 25 C.).....:55 psig

Vapor Density (Air=1).....>1

Evaporation Rate (Butyl Acetate=1) :>1

pH (@ 25 C.).....:N/A

Solubility in water.....:Emulsifiable

Appearance and Odor.....:Water White-Sweet Etheral Odor

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 \* SECTION IV - FIRE & EXPLOSION DATA \*  
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Flame Projection.....:18 inches

Flash Point (TCC).....:N/A

Flammable Limits, % by Volume-LEL...:Not Established.

-UEL...:Not Established.

Extinguishing Media.....:CO2, Standard Foam, Dry Chemical, Halon.

Special Fire Fighting Procedures...:Wear self-contained breathing apparatus.

Unusual Fire & Explosion Hazards...:Exposure to temperatures over 120 degrees F. may cause bursting or venting. Heat or fire may cause hazardous fumes: Carbon Monoxide, Phosgene, Chlorine, and Hydrogen Chloride.

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 \* SECTION V - HEALTH HAZARD DATA \*  
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General: Toxicity information is not available for this finished product. This health hazard assessment is based on information available for the components in the finished product.

Threshold Limit Value.....:See Section II

Regulated.....:OSHA, DOT, EPA

Carcinogenic Classification: Methylene Chloride / Toluene

IARC - Possible Carcinogen / Not classified as a Human Carcinogen

NTP - Potential Carcinogen / Not classified as a Human Carcinogen

ACGIH - Suspected Carcinogen / Not classified as a Human Carcinogen

California Proposition 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Overexposure to methylene chloride has apparently been found to cause the following effects in laboratory animals: Liver abnormalities, lung damage.

Symptoms of Exposure - Eyes.....:May cause moderate to severe irritation.  
Skin.....:May cause irritation due to defatting of tissue.  
Ingestion...:May cause nausea, headache, vomiting.  
Inhalation...:Over exposure may cause nausea, dizziness, headache and upper respiratory discomfort.

Chronic Effects of Overdose.....:Unknown, but not likely to occur from aerosol use.

Medical Cond. Aggravated by Exp. ...:Skin sensitivity, chemical allergies, heart condition.

Primary Route(s) of Entry.....:Eyes, skin, ingestion, and inhalation.

Emergency First Aid - Eyes.....:Flush with large amounts of water for 15 minutes and get medical attention.

Skin .....:Wash with soap and water. Remove contaminated clothing.

Ingestion ..:Do not induce vomiting. Get medical attention.

Inhalation ..:Remove to fresh air. Give oxygen if breathing is difficult. Get medical attention.

Stability .....:Stable

Incompatibility .....:Oxidizing materials.

Materials to Avoid .....:Possibly sodium, potassium, and magnesium.

Hazardous Polymerization .....:Will not occur.

Conditions to Avoid .....:Sources of heat.

Hazardous Decomposition Products ...:Open flames can cause thermal degradation with the evolution of hydrogen chloride, phosgene, and chlorine.

Action to take for Spills or Leaks: Small spills: Mop up, soak up immediately. Remove to out of doors. Large spills: Evacuate area. Contain liquid; transfer to closed metal containers. Keep out of water supply.

Waste disposal method.....: Dispose of in a manner approved by local, state and federal regulations.

Eyes Protection .....:Safety goggles. For short usage none required.

Skin Protection .....:Rubber gloves. For short usage none required.

Respiratory Protection .....:Not required.

Ventilation Recommended .....:General ventilation recommended to control the level of vapors  
See section II for TLV's.

Other Protection .....:None

Hygienic Practices in Handling & Storage....:

Wash hands before eating or smoking after using aerosol.

Do not store where temperatures exceed 120 degrees Fahrenheit.

Keep out of reach of children.

The information contained herein is based on the data available to use and is believed to be correct. However, Midco Products makes no warranty, expressed, or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Midco Products assumes no responsibility for injury from the use of the product described herein.

Components are listed in Section II if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC, or OSHA as of the date on the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in section II, along with typical percentages. Other components may be listed if deemed appropriate. Additional health information may be found in Section V.

*3/23/96*