

## MATERIAL SAFETY DATA SHEET

V# 875

00423-1020  
01560-1010  
01560-1020

MSDS #: 533-544-545

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Chartpak, Inc.  
One River Road  
Leeds, MA 01053  
Phone: 413-584-5446 or 800-628-1910

Emergency Medical Number: 888-786-0972

Creation Date: January 14, 2008

## Section One: Product Information

Product Name: Grumbacher Damar Retouch Varnish, Grumbacher Damar Varnish, Matte and Gloss  
Product Sizes: 4.75 oz., 12.75 oz.  
Product Class: Aerosols

## Section Two: Ingredients

Ingredients	CAS Number	% by Weight	PEL/TLV
Heptane	142-82-5	40%	400 ppm
Turpentine	9005-0-7	40%	100 ppm
Liquefied Petroleum Gas	68476-85-7	30%	1000 ppm
Isopropyl Alcohol	67-63-0	10%	400 ppm

## Section Three: Hazards Identification

DANGER: EXTREMELY FLAMMABLE. VAPOR HARMFUL.  
CONTAINS: N-HEPTANE  
KEEP OUT OF REACH OF CHILDREN.

## Section Four: First Aid Measures

Inhalation: If inhalation symptoms occur, move to fresh air.  
Skin Contact: Wash off in flowing water or shower.  
Eye Contact: Flush with flowing water immediately and continuously for fifteen minutes. If irritation persists, seek medical care.  
Ingestion: Get prompt medical attention.

This Material Safety Data Sheet is applicable to the consumer use of the following colors: 533, 544, 545, 633, 644, 645

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**Section Five: Fire Fighting Measures**

Flash Point: 25F Closed Cup (Heptane)

Flammability Limits (% by volume): Lower: 1.05% (Heptane) Upper: 6.7% (Heptane)

Extinguishing Media: Foam, carbon dioxide, dry chemical

Special Fire Fighting Measures: Water may be used to cool closed contains to prevent pressure buildup and possible bursting when exposed to high temperatures. Firemen should wear self-contained respiratory equipment.

Unusual Fire and Explosion Hazards: Extremely flammable. Contents under pressure. Containers may burst at temperatures above 130F.

**Section Six: Accidental Release Measures**

Remove ignition sources. Evacuate area. Contain liquid; transfer to closed containers. Keep out of water entries.

**Section Seven: Handling and Storage**

Handling: If using indoors, turn off all pilot lights. Use only with adequate ventilation.

Storage: Do not store above 120F. KEEP OUT OF REACH OF CHILDREN.

**Section Eight: Exposure Controls and Personal Protection**

Respiratory Protection and Special Ventilation Requirements: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environment control.

Other Protective Equipment (Gloves, Goggles, Etc.): Impervious gloves and safety glasses recommended.

Work/Hygiene Practices: PRECAUTIONS: Do not smoke when using, or store or use near heat or flame. Avoid contact with heat, sparks, and open flames. Vapors can ignite explosively. If using indoors, turn off all pilot lights. Use only with adequate ventilation.

**Section Nine: Physical and Chemical Properties**

Boiling Point: 209F (Heptane) Melting Point: -131F (Heptane)

Vapor Pressure: 40 mm at 72F Specific Gravity: 0.684 (Heptane)

Specific Vapor Density (AIR = 1): Heavier than air Evaporation Rate (Butyl Acetate = 1): >1

Solubility in Water: Insoluble Reactivity in Water: Non-reactive

Appearance and Odor: Colorless liquid; characteristic odor

**Section Ten: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: Ignition sources or excessive heat

Chemical Incompatibility: Nitri plus acetic acids, nitric plus sulfuric acid, amines, strong oxidizing agents

Hazardous Decomposition: Carbon monoxide, carbon dioxide

Hazardous Polymerization: Will not occur

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**Section Eleven: Toxicological Information**

IARC Monographs: No

National Toxicology Program: No

OSHA Regulated: No

Effects/Symptoms of Acute Exposure: If cross-ventilation is not adequate, eye watering, headache, nausea, dizziness, and loss of coordination may occur. Deliberate inhalation may be harmful or fatal.

Effects/Symptoms of Chronic Exposure: Repeated and prolonged overexposure may lead to permanent brain damage and nervous system damage

Medical Conditions Usually Aggravated By Overexposure of This Product: Unknown

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose in accordance with Federal, State, and Local Regulations. Do not puncture or incinerate.

**Section Fourteen: Transport Information**

DOT: ORM-D IATA: ID 8000, Consumer Commodity, Class 9  
 IMDG: UN1950, Aerosols, Class 2.1, LTD. QTYs., Ems# F-D, S-U  
 UN SHIPMENT: UN1950, Aerosols, Class 2.1, packing instruction 910

**Section Fifteen: Regulatory Information**

TSCA INVENTORY:

The product on this Material Safety Data Sheet is not listed on the United States Environmental Protection Agency Toxic Substances Control Act Inventory. However, the components of the product are included in the TSCA Inventory.

**Section Sixteen: Other Information****HMIS Code**

Health 2

Flammability 4

Reactivity 0

Personal Protection I

Chartpak, Inc. is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the CL (Cautionary Label) Seal. Products bearing the CL Seal are certified to be properly labeled in a program of toxicological evaluation by a medical expert for any known health risks and with information on the safe and proper use of these materials. Conforms to ASTM D-4236.

0=Minimal / 4 = Severe

May be used to comply with OSHA Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.