

01564-1024

**MATERIAL SAFETY DATA SHEET****MSDS #: 410**

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

**Emergency Medical Number: Poison Control 800-222-1222**  
**Emergency Transport Number: Chemtrec 800-424-9300 (CCN4391)**  
**General Inquiry Number: Chartpak 413-584-5446**

Revision Date 12/11/14

**Section One: Product Information**

Product Name: Grumbacher MG Underpainting White  
 Product Sizes: 150 ml  
 Product Class: Mediums

**Section Two: Ingredients**

Ingredients	CAS Number	% by Weight	PEL/TLV
Barium Sulfate	7727-43-7	55%	10 mg/m3
Linseed Oil	8001-26-1	10%	N/A
Turpentine	9005-90-7	7%	100 ppm
D-Limonene	5989-27-5	6%	N/A

**Section Three: Hazards Identification**

This product is considered safe under normal use conditions.

**Section Four: First Aid Measures**

Inhalation: Remove to fresh air.  
 Skin Contact: If skin contact occurs, wash with soap and water for 5 minutes.  
 Eye Contact: Flush with flowing water immediately.  
 Ingestion: Consult a physician. For further health information, contact a poison control center.

This Material Safety Data Sheet is applicable to the consumer use of the following colors: 410

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**Section Five: Fire Fighting Measures**

Flash Point: 250F

Flammability Limits (% by volume): Lower: Not explosive Upper: Not explosive

Extinguishing Media: Foam, carbon dioxide, dry chemical

Special Fire Fighting Measures: No special fire fighting procedures required

Unusual Fire and Explosion Hazards: Flammable

**Section Six: Accidental Release Measures**

Wipe up with absorbent material.

**Section Seven: Handling and Storage**

Handling: Use only with adequate ventilation. Keep container tightly capped when not in use.

Storage: Do not store or use near heat or flame. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection and Special Ventilation Requirements: None required

Other Protective Equipment (Gloves, Goggles, Etc.): Impervious protective gloves

Work/Hygiene Practices: PRECAUTIONS: Avoid prolonged contact with skin, and ingestion. Wash hands immediately after use. When using, wear impermeable protective gloves. Do not store or use near heat or flame. Keep container tightly capped when not in use. Use only with adequate ventilation.

**Section Nine: Physical and Chemical Properties**

Boiling Point: Not determined Melting Point: Not determined

Vapor Pressure: Not determined Specific Gravity: 1.94

Specific Vapor Density (AIR = 1): Heavier than air Evaporation Rate (Butyl Acetate = 1): Not determined

Solubility in Water: Not determined Reactivity in Water: Non-reactive

Appearance and Odor: White paste; oily odor

**Section Ten: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: None known

Chemical Incompatibility: None known

Hazardous Decomposition: None known

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: Skin irritation

Effects/Symptoms of Chronic Exposure: None expected

Medical Conditions Usually Aggravated By Overexposure of This Product: None known

**Section Twelve: Ecological Information**

Not available

**Section Thirteen: Disposal Considerations**

Dispose in accordance with Federal, State, and Local Regulations

**Section Fourteen: Transport Information**

DOT: ORM-D IATA: ID8000, Consumer Commodity, Class 9

IMDG: UN1993, Flammable Liquid, n.o.s. (limonene), (140°F TCC / 60 °C) 3, III, LTD. QTYS., EmS# F-E, S-U

UN SHIPMENTS: UN1993, Flammable Liquid, n.o.s. (limonene), (140F TCC) 3, III, 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 1  
 Flammability 2  
 Reactivity 0  
 Personal Protection B

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 AP Seal. Products bearing the AP 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.