

MATERIAL SAFETY DATA SHEET

21724-3004
-3011

MSDS #: 546

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

Emergency Medical Number: 1-800-222-1222

Emergency Transport Number (Chemtrec):
 1-800-424-9300 or (01)703-527-3887

Revision Date: September 1, 2008

Section One:	Product Information
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Product Name: Grumbacher Workable Fixative
 Product Sizes: 4.75 oz., 12.75 oz.
 Product Class: Aerosols

Section Two:	Ingredients
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Ingredients	CAS Number	% by Weight	PEL/TLV
Acetone	67-64-1	70%	750 ppm
Liquefied Petroleum Gas	68476-85-7	30%	1000 ppm
Propylene Glycol Methyl Ether Acetate	108-65-6	10%	N/A

Section Three:	Hazards Identification
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DANGER: EXTREMELY FLAMMABLE. TOXIC GASES ARE GIVEN OFF WHEN BURNED, WHICH MAY RESULT IN ACUTE OR DELAYED DAMAGE TO THE LUNGS IF INHALED. VAPOR HARMFUL. EYE IRRITANT. EXPOSURE MAY CAUSE IRRITATION OF THE CHEST, OR DAMAGE TO THE KIDNEYS, OR ANEMIA.

Do not smoke when using. Keep away from eyes. Avoid contact with heat, sparks and open flame. Vapors can ignite explosively. If using indoors turn off all pilot lights. Do not store or use near heat or flame.

KEEP OUT OF REACH OF CHILDREN. Use only with adequate ventilation.
 CONTAINS: ACETONE, CELLULOSE NITRATE

Section Four:	First Aid Measures
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Inhalation: If inhalation occurs, get prompt medical attention.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with flowing water immediately and continuously for 5-10 minutes. If irritation persists, seek medical care.

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: 546, 646

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Section Five: Fire Fighting Measures

Flash Point: 0°F Closed Cup (Acetone)

Flammability Limits (% by volume): Lower: 2.5% (Acetone) Upper: 12.8% (Acetone)

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: Avoid prolonged contact with skin. Wash hands immediately after use. Do not smoke, eat or drink when using. Do not 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. Keep away from eyes. Avoid breathing burning fumes.

Section Nine: Physical and Chemical Properties

Boiling Point: 133°F (Acetone) Melting Point: -140°F (Acetone)

Vapor Pressure: 180 mm HG (Acetone) Specific Gravity: 0.79 (Acetone)

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

Solubility in Water: Miscible 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: Nitric 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 incinerate closed or empty containers.

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	1

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.

Professional Product. This product is not intended for use by children.

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.