

MATERIAL SAFETY DATA SHEET

8/17/2012

MANUFACTURER OR DISTRIBUTOR: **Chartpak Inc.**
1 River Road
Leeds, Massachusetts 01053

INFORMATION TELEPHONE NUMBER: **1-800-628-1910**
EMERGENCY TELEPHONE NUMBER: **1-888-786-0972**

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **GRUMBACHER WORKABLE** PRODUCT NUMBER: **04**
FIXATIVE
PRODUCT SIZES: **NG** BRAND NAME: **GRUMBACHER WORKABLE**
FIXATIVE
PRODUCT CLASS: **SPRAY FIXATIVE**

SECTION II - POTENTIAL HEALTH EFFECTS

PERMISSIBLE EXPOSURE LEVEL: SEE SECTION III FOR COMPONENT PEL/TLVs
PRIMARY ROUTES OF ENTRY: INHALATION, EYE, SKIN

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: VAPOR HARMFUL. EYE IRRITANT. EXPOSURE MAY RESULT IN NAUSEA, HEADACHE, CONFUSION OR INSTABILITY. CONTACT MAY RESULT IN REDNESS OR PAIN OF THE EYES.

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: EXPOSURE MAY RESULT IN FATIGUE. CHRONIC EXPOSURE MAY RESULT IN DIFFICULTY WITH REPRODUCTION (CHILD BEARING).

CARCINOGEN LISTING: NTP: **NO** IARC: **NO** OSHA: **NO**

SEE SECTION III FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: KIDNEY DISEASE.

SECTION III - HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>PEL/TLV</u> <u>(MG/M#)</u>	<u>Max</u> <u>% Weight</u>	<u>NTP</u>	<u>IARC</u>
1-METHOXY-2-PROPYL ACETATE	108-65-6	N/A	8.30300	N	N
ACETONE	67-64-1	1200.00	62.99200	N	N

SECTION IV - FIRST AID

FIRST AID MEASURES: If eye contact occurs, rinse with tap water for 5-10 minutes. If irritation persists, seek medical care. If symptoms occur, move to fresh air. If symptoms persist, see a physician.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A
EXPLOSION LIMITS IN AIR (% BY VOLUME): NOT EXPLOSIVE
EXTINGUISHING MEDIA: NO SPECIAL MEDIA REQUIRED
FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS: EXTREMELY FLAMMABLE.

SECTION VI - SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: Clean up in accordance with all applicable regulations. Absorb spillage with non-combustible, absorbent material. For waste disposal, see Section XIII

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING: Good industrial hygiene practice requires that exposure be maintained below the TLV. This is preferably achieved through the provision of adequate ventilation. When exposure cannot be adequately controlled in this way, personal respiratory protection should be employed.

SECTION VIII - EXPOSURE CONTROLS

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use NIOSH-certified respirator with an organic vapor cartridge. For situations where vapor levels can build up to explosion limits, use with an explosion-proof fan motor and switches. Use only with adequate ventilation.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): NONE REQUIRED

WORK/HYGIENE PRACTICES: Do not smoke when using. Keep away from eyes.

ENGINEERING CONTROLS: 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. Prevent buildup of vapors---open all windows and doors---use only with cross-ventilation.

CONTENTS UNDER PRESSURE. Do not puncture or incinerate or expose to temperatures above 120o F (50o C). KEEP OUT OF REACH OF CHILDREN EXCEPT UNDER ADULT SUPERVISION. **KEEP OUT OF REACH OF CHILDREN.**

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: N/A

VAPOR PRESSURE: N/A

SPECIFIC VAPOR DENSITY (AIR=1): N/A

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: N/A

REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE

STABILITY: STABLE CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: VAPOR HARMFUL. EYE IRRITANT. EXPOSURE MAY RESULT IN NAUSEA, HEADACHE, CONFUSION OR INSTABILITY. CONTACT MAY RESULT IN REDNESS OR PAIN OF THE EYES.

The summated LD50 is >50000 mg/kg.

This product is/is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

SECTION XII - ECOLOGICAL INFORMATION

NO HARMFUL EFFECTS KNOWN OTHER THAN THOSE ASSOCIATED WITH SUSPENDED INERT SOLIDS IN WATER.

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261): THIS PRODUCT IS NOT CLASSIFIED AS A HAZARDOUS WASTE.
WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORTATION INFORMATION

U.S. DOT (49 CFR 172.101): THIS IS NOT A HAZARDOUS MATERIAL AS CLASSIFIED BY CFR 172.101.

SECTION XV - REGULATORY INFORMATION

CONTENTS OF THIS MSDS COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200
EPA SARA TITLE III CHEMICAL LISTINGS
NONE

SECTION 302.4 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):
NONE

SECTION 313 TOXIC CHEMICALS (40 CFR 372):
NONE

INTERNATIONAL REGULATIONS

CANADIAN WHMIS: THIS PRODUCT IS A CONTROLLED PRODUCT UNDER CANADA'S WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. IT CONTAINS THE FOLLOWING TOXIC OR HIGHLY TOXIC MATERIALS:
NONE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN THE STATE OF CALIFORNIA UNDER THEIR SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (PROPOSITION 65) AS BEING KNOWN TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRING NOTIFICATION TO THE STATE OF WASHINGTON UNDER THEIR CHILDREN'S SAFE PRODUCTS ACT:
NONE

SECTION XVI - OTHER INFORMATION

THIS INFORMATION SHEET IS FOR CONSUMER USE ONLY.

Woodhall Stopford, MD, MSPH **8/17/2012**

BRAND NAMES

THIS MSDS APPLIES TO THE FOLLOWING BRAND NAMES

<u>Brand Name</u>	<u>SKU</u>
546 GRUMBACHER WORKABLE FIXATIVE	
546.CAN & 646.CAN GRUMBACHER WORKABLE FIXATIVE	
646 GRUMBACHER WORKABLE FIXATIVE	
GRUMBACHER WORKABLE FIXATIVE	