

MATERIAL SAFETY DATA SHEET

2/20/2014

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

INFORMATION TELEPHONE NUMBER:
EMERGENCY TELEPHONE NUMBER: **1-888-786-0972**

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **GRUMBACHER PRE-TEST OIL** PRODUCT NUMBER: **PRE-TEST**
COLORS
PRODUCT SIZES: **24 ML, 37 ML, 150 ML** BRAND NAME: **GRUMBACHER PRE-TEST OIL**
COLORS
PRODUCT CLASS: **OIL PAINT**

SECTION II - POTENTIAL HEALTH EFFECTS

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

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: MAY BE HARMFUL IF SWALLOWED.

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: INHALATION MAY CAUSE RESPIRATORY ALLERGIES. INHALATION MAY CAUSE LUNG DAMAGE. EXPOSURE MAY CAUSE ITCHINESS OF THE SKIN WITH HIVES OR ECZEMA. CHRONIC EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, EASY FATIGABILITY AND CHEST PAIN.

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

SEE SECTION III FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: CHRONIC DERMATITIS. HEART 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>
COBALT	7440-48-4	0.05	13.30746	Y	Y
COPPER	7440-50-8	1.00	0.05002	N	N

SECTION IV - FIRST AID

FIRST AID MEASURES: If swallowed, get prompt medical attention.

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: NO SPECIAL FIRE FIGHTING PROCEDURES REQUIRED

UNUSUAL FIRE & EXPLOSION HAZARDS: NOT COMBUSTIBLE

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: NONE REQUIRED

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

WORK/HYGIENE PRACTICES: Do not spray apply.

ENGINEERING CONTROLS: **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: MAY BE HARMFUL IF SWALLOWED.

The summated LD50 is 976.0 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:

AMORPHOUS SILICA
COPPER PHTHALOCYANINE
FERRIC OXIDE
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)
LINSEED OIL
OLEIC ACID
PHOSPHORIC ACID, COBALT(2+) SALT (2:3)
PIGMENT RED 83
TURPENTINE
ZINC OXIDE

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:

PIGMENT VIOLET 14
PIGMENT VIOLET 49
PIGMENT YELLOW 40
YELLOW CADMIUM PIGMENT

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED UNDER NEW JERSEY'S RIGHT TO KNOW PROGRAM:

AMORPHOUS SILICA
PIGMENT RED 101
PIGMENT VIOLET 16
PIGMENT WHITE 6
TURPENTINE
ZINC OXIDE

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 **2/20/2014**

COLOR INFORMATION

THIS MSDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON-HAZARDOUS INGREDIENTS

Product Color	Hazardous Ingredient
F200 SUPERBA WHITE	(NONE)
P001 ALIZARIN CRIMSON	(NONE)
P002 ALIZARIN CRIMSON GOLDEN	(NONE)
P003 AUREOLIN	(NONE)
P005 TRANSLUSCENT ORANGE	(NONE)
P013 BROWN PINK	(NONE)
P016 BURNT SIENNA DEEP	(NONE)
P020 CADMIUM GREEN LIGHT	(NONE)
P021 BROWN MADDER	(NONE)
P023 BURNT SIENNA	(NONE)
P024 BURNT UMBER	(NONE)
P025 CADMIUM ORANGE	(NONE)
P026 CADMIUM RED DEEP	(NONE)
P027 CADMIUM RED LIGHT	(NONE)
P029 CADMIUM RED MEDIUM	(NONE)
P030 CADMIUM VERMILLION	(NONE)
P031 CADMIUM YELLOW DEEP	(NONE)
P033 CADMIUM YELLOW LIGHT	(NONE)
P034 CADMIUM YELLOW MEDIUM	(NONE)
P035 CADMIUM ORANGE MEDIUM	(NONE)
P036 CADMIUM YELLOW PALE	(NONE)
P039 CERULEAN BLUE HUE	(NONE)
P040 CERULEAN BLUE GENUINE	(NONE)
P048 CHROME OXIDE GREEN (OPAQUE)	(NONE)
P049 COBALT BLUE	(NONE)
P051 COBALT ROSE	COBALT
P053 COBALT VIOLET HUE	COBALT
P058 COBALT TITANATE GREEN	(NONE)
P059 COBALT TITANATE BLUE	(NONE)
P060 DIARYLIDE YELLOW	(NONE)
P061 DIOXAZINE PURPLE	(NONE)
P064 DAVY'S GRAY	(NONE)
P071 PALE PINK	(NONE)
P076 FRENCH ULTRAMARINE BLUE	(NONE)
P080 GOLD OCHRE HUE	(NONE)
P085 GREEN EARTH HUE	(NONE)
P086 GREEN GOLD HUE	(NONE)
P088 GREENISH UMBER	(NONE)
P093 PERMANENT BRIGHT GREEN	(NONE)
P095 GRUMBACHER RED	(NONE)
P102 PT HANSA YELLOW	(NONE)
P109 INDANTHRONE BLUE	(NONE)
P110 INDIAN RED	(NONE)
P112 INDIGO	(NONE)
P115 IVORY BLACK	(NONE)
P116 LAMP BLACK	(NONE)
P131 PT MANGANESE BLUE HUE	(NONE)
P134 MARS BLACK	(NONE)
P142 MONOAZO ORANGE	(NONE)
P146 NAPLES YELLOW HUE	(NONE)
P148 NICKEL TITANATE YELLOW	(NONE)
P150 OLIVE GREEN	(NONE)
P156 PAYNE'S GRAY	(NONE)
P160 PERMANENT BLUE	(NONE)
P162 PERMANENT GREEN LIGHT	(NONE)
P166 PRUSSIAN GREEN	(NONE)
P168 PRUSSIAN BLUE	(NONE)
P169 QUINACRIDONE ORANGE	(NONE)
P170 QUINACRIDONE RED	(NONE)
P171 RAW SIENNA	(NONE)

Product Color	Hazardous Ingredient
P172 RAW UMBER	(NONE)
P182 ROSE MADDER HUE	(NONE)
P187 SAP GREEN	(NONE)
P200 PT SUPERBA WHITE	(NONE)
P202 TERRA ROSE HUE	(NONE)
P203 THALO BLUE	COPPER
P205 THALO GREEN	(NONE)
P208 THALO RED ROSE	(NONE)
P210 THALO YELLOW GREEN	(NONE)
P211 THIO VIOLET	(NONE)
P212 TITANIUM WHITE	(NONE)
P215 TRANSPARENT RED IRON OXIDE	(NONE)
P216 TRANSPARENT YELLOW OXIDE	(NONE)
P218 UNBLEACHED TITANIUM	(NONE)
P221 ULTRAMARINE VIOLET	(NONE)
P222 VAN DYCK BROWN	(NONE)
P223 VENETIAN RED	(NONE)
P230 VINE BLACK	(NONE)
P244 YELLOW OCHRE	(NONE)
P248 ZINC WHITE	(NONE)
P249 ZINC YELLOW HUE	(NONE)
P250 TITANIUM WHITE (SOFT)	(NONE)
P306 THALO GREEN (YELLOW)	COPPER
P307 ULTRAMARINE BLUE DEEP	(NONE)
P309 COBALT TURQUOISE	(NONE)
P310 PT COBALT BLUE DEEP	(NONE)
P311 PT BISMUTH YELLOW	(NONE)
P312 PT PYRROLE RED	(NONE)
P313 PT ARCTIC BLUE	(NONE)
P314 PT TERRA	(NONE)
P315 PT PERYLENE RED	(NONE)

BRAND NAMES

THIS MSDS APPLIES TO THE FOLLOWING BRAND NAMES

<u>Brand Name</u>	<u>SKU</u>
GRUMBACHER PRE-TEST OIL COLORS	