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00448-XXXX

SAFETY DATA SHEET

5/25/2020

SECTION I - IDENTIFICATION

Material Name

GRUMBACHER PRE-TEST OIL COLORS

Company Information

Chartpak Inc.
1 River Road
Leeds, MA 01053
Phone: 1-800-628-1910
Fax: 1-413-587-0499
Email: lab@chartpak.com

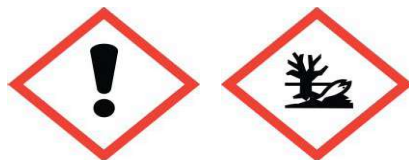
For transportation emergencies only call: 1-888-786-0972

For health emergencies call the Poison Control Center: 1-800-222-1222

SECTION II - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Hazardous to the Aquatic Environment - Acute - Category 1
Hazardous to the Aquatic Environment - Chronic - Category 1
Acute Toxicity Oral - Category 4
Skin Sensitization - Category 1

GHS Label Elements**Symbol(s)****Signal Word(s)**

Danger

Hazard Statement(s)

Harmful if swallowed May cause an allergic skin reaction Very toxic to aquatic life Very toxic to aquatic life with long last ing effects

Precautionary Statement(s)**Prevention**

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Wash contaminated clothing before reuse. Collect spillage. IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

SECTION III - COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS /EC #	PEL/TLV (MG/M#)	Max % Weight	NTP	IARC
ZINC OXIDE	1314-13-2	N/A	78.00000	N	N
COBALT	14590-13-7	N/A	1.00000	N	N
TURPENTINE, OIL	8006-64-2	N/A	0.95000	N	N

SECTION IV - FIRST AID MEASURES

FIRST AID MEASURES: NONE REQUIRED. NO ACUTE HEALTH EFFECTS EXPECTED.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT (METHOD): 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
 AUTOIGNITION TEMPERATURE: N/A

SECTION VI - ACCIDENTAL RELEASE MEASURES

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 / PERSONAL PROTECTION

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: NONE REQUIRED

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
 VAPOR PRESSURE: N/A
 SPECIFIC VAPOR DENSITY (AIR=1): N/A
 SOLUBILITY IN WATER: N/A
 MELTING POINT: N/A
 SPECIFIC GRAVITY: N/A
 REACTIVITY IN WATER: NON-REACTIVE

SECTION X - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: N/A
STABILITY: STABLE CONDITIONS TO AVOID: N/A
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS ASSOCIATED WITH USE OF THIS MATERIAL: NONE EXPECTED
The summated LD50 is 1009.7 mg/kg.
The summated LC50 is 26355 mg/cubic meter.
This product is not considered to be a known or suspected human carcinogen by NTP, IARC or OSHA (see section III)

SECTION XII - ECOLOGICAL INFORMATION

Aquatic Hazard Statement(s)

Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

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 SDS 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
ISOPARAFFINIC HYDROCARBON
LINSEED OIL
OLEIC ACID
PHOSPHORIC ACID, COBALT(2+) SALT (2:3)
TURPENTINE
ZINC OXIDE

SUPPLEMENTAL STATE COMPLIANCE INFORMATION:

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

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN FLORIDA'S TOXIC SUBSTANCE LIST:

Amorphous silica
Iron oxide fume
Turpentine
Zinc oxide fume

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MAINE'S PRIORITY CHEMICAL LIST:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS CONSIDERED BY VERMONT AS BEING OF VERY HIGH CONCERN TO CHILDREN:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN MASSACHUSETTS HAZARDOUS SUBSTANCE LIST:

Amorphous silica
Barium sulfate
Carbon black
Iron oxide dust
Silica, precipitated
Titanium dioxide
Turpentine
Zinc oxide fume

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MICHIGAN'S CRITICAL MATERIALS REGISTER:
NONE

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED ON MINNESOTA'S HAZARDOUS SUBSTANCES LIST:

Barium, sulfate
Carbon black
Iron oxide fume (Fe₂O₃) as Fe
Limestone
Methyl ethyl ketoxime
Silica (SiO₂)
Titanium dioxide
Turpentine
Zinc oxide, fume and dust

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) LISTED IN PENNSYLVANIA'S HAZARDOUS SUBSTANCES LIST:

9-Octadecenoic acid (z)-
Barium sulfate
Carbon black
Iron oxide
Linseed oil
Rutile
Silica
Titanium oxide
Zinc oxide

Under CPSC's consumer product regulations (16CFR1500.3 and 1500.14), this product has the following required acute and chronic hazard labeling:

WARNING: MAY BE HARMFUL IF SWALLOWED. INHALATION MAY CAUSE RESPIRATORY ALLERGIES. SKIN CONTACT MAY CAUSE ALLERGIC SKIN RASHES. EXPOSURE MAY CAUSE DAMAGE TO THE TESTES. INHALATION MAY CAUSE LUNG DAMAGE. EXPOSURE MAY CAUSE DAMAGE TO THE HEART.

Contains: COBALT

PRECAUTIONS: Avoid prolonged contact with skin. Do not spray apply. Wash hands immediately after use. When using do not eat, drink or smoke. **KEEP OUT OF REACH OF CHILDREN.** If swallowed, get prompt medical attention. For further health information contact a poison control center or call . . . (must contain a US telephone # and US company name and address on the label).

This product contains a chemical known to the State of California to cause cancer.

SECTION XVI - OTHER INFORMATION

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy on eself as to the suitability and completeness of this information for the user's own particular use.

LAST REVISION DATE: 03/02/2016

Prepared by Duke OEM Toxicology

COLOR INFORMATION

THIS SDS APPLIES TO THE FOLLOWING COLORS WHICH ARE ASSOCIATED WITH HAZARDOUS AND/OR NON -HAZARDOUS INGREDIENTS. PRODUCTS ARE AVAILABLE IN 24ml, 37ml and 150ml SIZES.

Product Color	SKU	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		(NONE)
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)

Product Color	SKU	Hazardous Ingredient
P169 QUINACRIDONE ORANGE		(NONE)
P170 QUINACRIDONE RED		(NONE)
P171 RAW SIENNA		(NONE)
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		(NONE)
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)		(NONE)
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 SDS APPLIES TO THE FOLLOWING BRAND NAMES

Brand Name

GRUMBACHER PRE-TEST OIL COLORS, 24ml, 37ml and 150ml