

MATERIAL SAFETY DATA SHEET

1/22/09

MANUFACTURER OR DISTRIBUTOR: **Holbein, Osaka**
P.O. Box 555
175 Commerce Street
Williston, Vermont 05495

INFORMATION TELEPHONE NUMBER: **800-682-6686**
EMERGENCY TELEPHONE NUMBER: **802-862-4573**

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: **HOLBEIN ARTISTS' OIL** PRODUCT NUMBER: **HOC**
COLOR

PRODUCT SIZES: **40, 50, 110, 330 ML** BRAND NAME: **HOLBEIN ARTISTS' OIL COLOR**

PRODUCT CLASS: **OIL PAINT**

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS #	PEL/TLV (MG/M#)	Max Weight	%	NTP	IARC
LEAD	7439-92-1		0.05	78.00000	Y	Y
LEAD	7439-92-1		0.05	78.00000	N	N
COBALT	7440-48-4		0.05	2.19000	Y	Y
COPPER	7440-50-8		1.00	0.39000	N	N

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

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
APPEARANCE AND ODOR:

SECTION IV - FIRE AND EXPLOSION INFORMATION

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: **RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED.** Rags or waste paper soaked with this material can burn spontaneously. Store in sealed metal container. Dispose of under water or by hanging out to dry.

SECTION V - PHYSICAL HAZARDS/REACTIVITY

HAZARDOUS POLYMERIZATION PRODUCTS: NONE
STABILITY: STABLE CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION VI - HEALTH HAZARD DATA

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

EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: **EXPOSURE MAY RESULT IN NAUSEA, HEADACHE, CONFUSION OR INSTABILITY.** Exposure may result in nausea, headache, confusion or instability. **MAY BE HARMFUL IF SWALLOWED. VAPOR HARMFUL. MAY BE HARMFUL BY BREATHING DUSTS OR MISTS. EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, CHEST PAIN, CHEST TIGHTNESS, WHEEZING AND A COUGH.**

EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE: **INHALATION MAY CAUSE RESPIRATORY ALLERGIES. SKIN CONTACT MAY CAUSE ALLERGIC SKIN RASHES. CANCER AGENT BASED ON EXPERIMENTAL DATA. EXPOSURE MAY CAUSE DAMAGE TO THE TESTES. INHALATION MAY CAUSE LUNG DAMAGE. EXPOSURE MAY CAUSE DAMAGE TO THE HEART. EXPOSURE MAY CAUSE NERVOUS SYSTEM, KIDNEY OR BONE MARROW DAMAGE. EXPOSURE MAY CAUSE ITCHINESS OF THE SKIN WITH HIVES OR ECZEMA. EXPOSURE MAY RESULT IN FATIGUE. CHRONIC EXPOSURE MAY RESULT IN WEAKNESS OF MUSCLES AND PAIN AND TINGLING IN THE EXTREMITIES. CHRONIC EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, EASY FATIGABILITY AND CHEST PAIN.**

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

SEE SECTION II FOR COMPONENTS AFFECTED

MEDICAL CONDITIONS USUALLY AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT: ASTHMA. CHRONIC DERMATITIS. KIDNEY DISEASE. ANEMIA. PREGNANCY. HEART DISEASE.

FIRST AID MEASURES: If inhalation symptoms occur, move to fresh air. If swallowed, get prompt medical attention. If symptoms persist, see a physician.

SECTION VII - SPILL OR LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN DURING STORAGE AND HANDLING:
KEEP OUT OF REACH OF CHILDREN.

STEPS TO BE TAKEN IN CASE A MATERIAL IS SPILLED: NO SPECIAL SPILL PROCEDURES REQUIRED.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - PROTECTIVE EQUIPMENT/CONTROL MEASURES

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: Use NIOSH-certified respirator with an organic vapor cartridge. When mixing or handling dry material, use NIOSH-certified mask for dusts or mists. Use NIOSH-certified mask for dusts or mists. Use only with adequate ventilation.

OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC): Immediately after use, place soiled material in a sealed water-filled metal container.

WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Do not spray apply. Avoid ingestion. Wash hands immediately after use. When using do not eat, drink or smoke.

SECTION IX - ADDITIONAL INFORMATION AND WARNINGS

THIS INFORMATION SHEET IS FOR CONSUMER USE ONLY.
ADDITIONAL INFORMATION AND WARNINGS:

WARNING: DO NOT SPRAY APPLY -- This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation.

WARNING: This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION X - COLOR INFORMATION

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

Product Color	Hazardous Ingredient
H001 CRIMSON LAKE	(none)
H002 CARMINE	(none)
H003 PINK MADDER	(none)
H004 ROSE MADDER	(none)
H005 GERANIUM LAKE	(none)
H006 CORAL RED	(none)
H007 CADMIUM RED	(none)
H008 CADMIUM RED LIGHT	(none)
H009 CADMIUM RED DEEP	(none)
H010 CADMIUM ORANGE RED SHADE	(none)
H011 CADMIUM ERD PURPLE	(none)
H012 SCARLET LAKE	(none)
H013 CHINESE RED	(none)
H014 PEONY RED	(none)
H015 VERMILION	(none)
H016 FRENCH VERMILION	(none)
H017 CHINESE VERMILION	(none)
H018 VERMILION HUE	(none)
H019 PERYLENE RED	(none)
H020 ALPS RED	(none)
H021 BRILLIANT PINK	(none)
H022 BRIGHT RED	(none)

Product Color	Hazardous Ingredient
H023 ALIZARIN CRIMSON	(none)
H024 ROSE DORE	(none)
H025 CADMIUM MAROON	(none)
H026 SHELL PINK	(none)
H030 NAPLES YELLOW	(none)
H031 NAPLES YELLOW FRENCH	(none)
H032 NAPLES YELLOW ITALIAN	(none)
H033 JAUNE BRILLIANT #1	(none)
H034 JAUNE BRILLIANT #2	(none)
H035 JAUNE BRILLIANT #3	(none)
H036 JAUNE BRILLIANT #4	(none)
H037 LEMON YELLOW	(none)
H038 LEMON YELLOW PALE	(none)
H040 YELLOW OCHRE	(none)
H041 GOLD OCHRE	(none)
H042 YELLOW OCHRE NATURAL	(none)
H043 PERMANENT YELLOW LEMON	(none)
H044 PERMANENT YELLOW LIGHT	(none)
H045 PERMANENT YELLOW DEEP	(none)
H046 PERMANENT ORANGE	(none)
H047 GREENISH YELLOW	(none)
H048 AUREOLIN	COBALT

Product Color	Hazardous Ingredient
H049 CADMIUM YELLOW LEMON	(none)
H050 CADMIUM YELLOW PALE	(none)
H051 CADMIUM YELLOW LIGHT	(none)
H052 CADMIUM YELLOW	(none)
H053 CADMIUM YELLOW DEEP	(none)
H054 CADMIUM ORANGE YELLOW SHADE	(none)
H055 INDIAN YELLOW	(none)
H056 NICKEL YELLOW	(none)
H057 CADMIUM ORANGE	(none)
H058 PERMANENT YELLOW	(none)
H059 PERMANENT YELLOW PALE	(none)
H060 YELLOW OCHRE PALE NATURAL	(none)
H061 IVORY WHITE	(none)
H070 VIRIDIAN	(none)
H071 VIRIDIAN HUE	(none)
H072 COBALT GREEN PALE	COBALT
H073 COBALT GREEN DEEP	COBALT
H074 EMERALD GREEN NOVA	(none)
H075 TERRE VERTE	(none)
H076 SAP GREEN	(none)
H077 PERMANENT GREEN LIGHT	(none)
H078 PERMANENT GREEN PALE	(none)

Product Color	Hazardous Ingredient
H079 PERMANENT GREEN	(none)
H080 PERMANENT GREEN DEEP	(none)
H081 CADMIUM GREEN PALE	(none)
H082 CADMIUM GREEN	(none)
H083 CADMIUM GREEN DEEP	(none)
H084 COMPOSE GREEN	(none)
H088 OXIDE OF CHROMIUM	(none)
H090 OLIVE GREEN	(none)
H091 CINNABAR GREEN LIGHT	(none)
H092 CINNABAR GREEN	(none)
H093 BARYTE GREEN	(none)
H094 ORIENTAL GREEN	(none)
H095 COBALT GREEN	COBALT
H096 CADMIUM GREEN LIGHT	(none)
H097 TERRE VERTE VERONA	(none)
H098 PRUSSIAN GREEN	(none)
H101 COBALT BLUE	(none)
H102 COBALT BLUE PALE	(none)
H103 COBALT BLUE DEEP	(none)
H104 COBALT BLUE HUE	(none)
H105 CERULEAN BLUE	(none)
H106 CERULEAN BLUE HUE	(none)

Product Color	Hazardous Ingredient
H107 ULTRAMARINE LIGHT	(none)
H108 ULTRAMARINE DEEP	(none)
H110 VERDITER BLUE	(none)
H111 COMPOSE BLUE	(none)
H112 PRUSSIAN BLUE	(none)
H113 HYDRANGEA BLUE	(none)
H114 INDIGO	(none)
H115 TURQUOISE BLUE	(none)
H116 COBALT TURQUOISE	(none)
H117 HORIZON BLUE	(none)
H118 MISTY BLUE	(none)
H119 ORIENTAL BLUE	(none)
H120 NAVY BLUE	(none)
H121 CERULEAN BLUE RED SHADE	(none)
H122 ULTRAMARINE BLUE	(none)
H123 MANGANESE BLUE NOVA	(none)
H129 COBALT VIOLET	COBALT
H131 COBALT VIOLET DEEP	COBALT
H132 COBALT VIOLET LIGHT HUE	(none)
H133 MINERAL VIOLET	(none)
H134 MARS VIOLET	(none)
H135 MAUVE	(none)

Product Color	Hazardous Ingredient
H136 ROSE VIOLET	(none)
H137 ROSE VIOLET TRANSPARENT	(none)
H138 PERMANENT VIOLET	(none)
H139 LIGHT MAGENTA	(none)
H140 LIGHT RED	(none)
H141 LIGHT RED BRIGHT	(none)
H142 RAW UMBER	(none)
H143 RAW SIENNA	(none)
H144 BURNT UMBER	(none)
H145 BURNT SIENNA	(none)
H146 INDIAN RED	(none)
H147 TERRE ROSA	(none)
H149 MARS YELLOW	(none)
H150 MARS ORANGE	(none)
H151 SEPIA	(none)
H152 VANDYKE BROWN	(none)
H153 PEACH BLACK	COPPER
H154 IVORY BLACK	(none)
H155 BROWN PINK	(none)
H156 LAMP BLACK	(none)
H157 BLUE BLACK	(none)
H168 CHARCOAL GREY	(none)

Product Color	Hazardous Ingredient
H169 NEUTRAL GREY	(none)
H170 BLUE GREY	(none)
H171 YELLOW GREY	(none)
H172 GREEN GREY	(none)
H173 GREY OF GREY	(none)
H174 VIOLET GREY	(none)
H175 DAVY'S GREY	(none)
H176 ROSE GREY	(none)
H178 MONOCHROME WARM	(none)
H179 MONOCHROME COOL	(none)
H180 PAYNES GREY	(none)
H190 GOLD	(none)
H191 SILVER	(none)
H197 FOUNDATION UMBER	(none)
H198 FOUNDATION GREY	(none)
H405 ZINC WHITE	(none)
H407 ZINC WHITE #1	(none)
H409 ZINC WHITE	(none)
H411 SILVER WHITE	LEAD LEAD
H413 TITANIUM WHITE	(none)
H415 PERMANENT WHITE S.F.	(none)

Product Color	Hazardous Ingredient
H419 CERAMIC WHITE	(none)
H421 QUICK DRYING WHITE	(none)
H531 FOUNDATION WHITE	LEAD LEAD
H533 FOUNDATION GREENISH	LEAD LEAD
H535 FOUNDATION UMBER	LEAD LEAD
H537 FOUNDATION GREY	LEAD LEAD