

00322-XXXX**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' WATER COLOR** PRODUCT NUMBER: **HWC**
PRODUCT SIZES: **15 ML, 20 ML (W001 ONLY)** BRAND NAME: **HOLBEIN ARTISTS' WATER COLOR**
PRODUCT CLASS: **WATER COLORS (TUBE)**

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS #	PEL/TLV (MG/M#)	Max Weight	%	NTP	IARC
CADMIUM	7440-43-9		0.01	0.53946	Y	Y
COBALT	7440-48-4		0.05	2.00000	Y	Y
COPPER	7440-50-8		1.00	0.36401	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: NOT COMBUSTIBLE

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

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EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE: MAY BE HARMFUL IF SWALLOWED. 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. EXPOSURE MAY CAUSE DAMAGE TO THE KIDNEYS OR LIVER. INHALATION MAY CAUSE LUNG DAMAGE. EXPOSURE MAY CAUSE ITCHINESS OF THE SKIN WITH HIVES OR ECZEMA. EXPOSURE MAY RESULT IN FATIGUE. 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. CHRONIC LUNG DISEASE. CHRONIC BRONCHITIS OR ASTHMA. LIVER DISEASE. KIDNEY DISEASE. ANEMIA. PREGNANCY. HEART DISEASE.

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

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 mask for dusts or mists.

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

WORK/HYGIENE PRACTICES: 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.

SECTION X - COLOR INFORMATION

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

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Product Color	Hazardous Ingredient
W201 CHINESE WHITE	(none)
W203 TITANIUM WHITE	(none)
W209 PERMANENT ALIZARIN CRIMSON	(none)
W210 CRIMSON LAKE	(none)
W211 CARMINE/ALIZARIN CRIMSON	(none)
W212 ROSE MADDER	(none)
W213 OPERA	(none)
W214 CADMIUM RED LIGHT	(none)
W215 CADMIUM RED DEEP	(none)
W216 CADMIUM RED ORANGE	(none)
W217 CADMIUM RED PURPLE	(none)
W218 VERMILION	CADMIUM
W219 VERMILION HUE	(none)
W220 PERMANENT ROSE	(none)
W221 PERMANENT RED	(none)
W222 SCARLET LAKE	(none)
W223 BROWN MADDER	(none)
W224 CHERRY RED	(none)
W225 BRILLIANT PINK	(none)
W226 SHELL PINK	(none)
W230 NAPLES YELLOW	(none)

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Product Color	Hazardous Ingredient
W231 JAUNE BRILLIANT #1	(none)
W232 JAUNE BRILLIANT #2	(none)
W233 LEMON YELLOW	(none)
W234 YELLOW OCHRE	(none)
W235 PERMANENT YELLOW LEMON	(none)
W236 PERMANENT YELLOW LIGHT	(none)
W237 PERMANENT YELLOW DEEP	(none)
W238 PERMANENT YELLOW ORANGE	(none)
W239 AUREOLIN	(none)
W240 CADMIUM YELLOW LEMON	(none)
W241 CADMIUM YELLOW PALE	(none)
W242 CADMIUM YELLOW LIGHT	(none)
W243 CADMIUM YELLOW DEEP	(none)
W244 CADMIUM YELLOW ORANGE	(none)
W245 INDIAN YELLOW	(none)
W246 GREENISH YELLOW	(none)
W247 BRILLIANT ORANGE	(none)
W248 GAMBOGE NOVA	(none)
W260 VIRIDIAN	(none)
W261 VIRIDIAN HUE	(none)
W262 HOOKER'S GREEN	(none)
W263 COBALT GREEN	(none)

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Product Color	Hazardous Ingredient
W264 EMERALD GREEN	(none)
W265 TERRE VERTE	(none)
W266 PERMANENT GREEN #1	(none)
W267 PERMANENT GREEN #2	(none)
W268 PERMANENT GREEN #3	(none)
W269 CADMIUM GREEN PALE	(none)
W270 CADMIUM GREEN DEEP	(none)
W271 COMPOSE GREEN #1	(none)
W272 COMPOSE GREEN #2	(none)
W273 COMPOSE GREEN #3	(none)
W274 OLIVE GREEN	(none)
W275 SAP GREEN	(none)
W276 COBALT GREEN YELLOW SHADE	(none)
W277 LEAF GREEN	(none)
W278 BAMBOO GREEN	(none)
W279 SHADOW GREEN	(none)
W290 COBALT BLUE	(none)
W291 COBALT BLUE HUE	(none)
W292 CERULEAN BLUE	(none)
W293 ULTRAMARINE LIGHT	(none)
W294 ULTRAMARINE DEEP	(none)
W295 VERDITER BLUE	(none)

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Product Color	Hazardous Ingredient
W296 COMPOSE BLUE	(none)
W297 PRUSSIAN BLUE	(none)
W298 INDIGO	(none)
W299 TURQUOISE BLUE	(none)
W301 PEACOCK BLUE	(none)
W302 MARINE BLUE	(none)
W303 ROYAL BLUE	(none)
W304 HORIZON BLUE	(none)
W305 MANGANESE BLUE NOVA	(none)
W306 COBALT TURQUOISE LIGHT	(none)
W310 COBALT VIOLET LIGHT	COBALT
W312 MINERAL VIOLET	(none)
W313 MARS VIOLET	(none)
W314 PERMANENT MAGENTA	(none)
W315 PERMANENT VIOLET	(none)
W316 LAVENDER	(none)
W317 LILAC	(none)
W318 ROSE VIOLET	(none)
W328 MARS YELLOW	(none)
W329 UMBER	(none)
W330 LIGHT RED	(none)
W331 RAW UMBER	(none)

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Product Color	Hazardous Ingredient
W332 RAW SIENNA	(none)
W333 BURNT UMBER	(none)
W334 BURNT SIENNA	(none)
W335 INDIAN RED	(none)
W336 SEPIA	(none)
W337 PEACH BLACK	COPPER
W338 IVORY BLACK	(none)
W339 VANDYKE BROWN	(none)
W340 LAMP BLACK	(none)
W350 BLUE GREY	(none)
W351 YELLOW GREY	(none)
W352 GREEN GREY	(none)
W353 GREY OF GREY	(none)
W354 VIOLET GREY	(none)
W355 DAVY'S GREY	(none)
W356 PAYNES GREY	(none)
W357 NEUTRAL TINT	(none)
W370 BRIGHT ROSE	(none)
W375 BRIGHT VIOLET	(none)
W390 GOLD	(none)
W391 SILVER	(none)

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Form Completed By: Woodhall Stopford, MD, MSPH
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