

00813-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 GOUACHE** PRODUCT NUMBER: **HGC**
PRODUCT SIZES: **15 ML** BRAND NAME: **HOLBEIN GOUACHE**
PRODUCT CLASS: **DESIGNER COLOR (GOUACHE)**

SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS #	PEL/TLV (MG/M#)	Max Weight	%	NTP	IARC
CADMIUM	7440-43-9		0.01	1.39200	Y	Y
COBALT	7440-48-4		0.05	2.40000	Y	Y
COPPER	7440-50-8		1.00	0.50700	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

Product Color	Hazardous Ingredient
G501 ALIZARIN CRIMSON	(none)
G502 CARMINE	(none)
G503 GERANIUM	(none)
G504 CADMIUM RED	CADMIUM

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Product Color	Hazardous Ingredient
G505 CADMIUM RED DEEP	(none)
G506 CADMIUM RED PURPLE	CADMIUM
G507 FLAME RED	(none)
G508 BRILLIANT ORANGE	(none)
G509 PURE RED	(none)
G510 BRILLIANT PINK	(none)
G520 PERMANENT YELLOW	(none)
G521 PERMANENT YELLOW DEEP	(none)
G522 PERMANENT YELLOW ORANGE	(none)
G523 CADMIUM YELLOW	CADMIUM
G524 CADMIUM YELLOW LEMON	(none)
G525 CADMIUM YELLOW ORANGE	(none)
G526 LEMON YELLOW	(none)
G527 YELLOW OCHRE	(none)
G528 NAPLES YELLOW	(none)
G529 NAPLES YELLOW ITALIAN	(none)
G530 YELLOW BRILLIANT NO.1	(none)
G531 YELLOW BRILLIANT NO.2	(none)
G532 MARIGOLD	(none)
G540 LEAF GREEN	(none)
G541 PERMANENT GREEN LIGHT	(none)
G542 PERMANENT GREEN DEEP	(none)

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Product Color	Hazardous Ingredient
G543 CADMIUM GREEN	(none)
G544 CADMIUM GREEN PALE	(none)
G545 EMERALD GREEN	(none)
G546 OLIVE GREEN	(none)
G547 CYPRUS GREEN	(none)
G548 DARK GREEN	(none)
G549 VIRIDIAN	(none)
G550 TERRE VERTE	(none)
G551 COBALT GREEN PALE	(none)
G552 CADMIUM GREEN DEEP	(none)
G553 MOSS GREEN	(none)
G554 TURQUOISE GREEN	(none)
G555 ASH GREEN	(none)
G560 ICE BLUE	(none)
G561 TURQUOISE BLUE	(none)
G562 CERULEAN BLUE	(none)
G563 COBALT BLUE	(none)
G564 ULTRAMARINE LIGHT	(none)
G565 ULTRAMARINE DEEP	(none)
G566 PRUSSIAN BLUE	(none)
G567 PEACOCK BLUE	(none)
G568 KATSURA BLUE	(none)

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Product Color	Hazardous Ingredient
G569 COBALT TURQUOISE	(none)
G570 AQUA BLUE	(none)
G571 PURE BLUE	(none)
G572 NAVY BLUE	(none)
G573 SMALT BLUE	(none)
G574 ASH BLUE	(none)
G580 BLUE VIOLET	(none)
G581 VIOLET	(none)
G582 MAGENTA	(none)
G583 COBALT VIOLET	COBALT
G584 OPERA	(none)
G585 ROSE	(none)
G586 IRIS	(none)
G587 LILAC	(none)
G588 ROSE VIOLET	(none)
G589 PINK	(none)
G600 SEPIA	(none)
G601 RAW SIENNA	(none)
G602 RAW UMBER	(none)
G603 BURNT SIENNA	(none)
G604 BURNT UMBER	(none)
G605 CHINESE ORANGE	(none)

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Product Color	Hazardous Ingredient
G606 IVORY BLACK	(none)
G607 JET BLACK	COPPER
G620 GREY NO.1	(none)
G621 GREY NO.2	(none)
G622 GREY NO.3	(none)
G630 PERMANENT WHITE	(none)
G631 ZINC WHITE	(none)
G640 PEARL WHITE	(none)
G641 PEARL GOLD	(none)
G642 PEARL COPPER	(none)
G643 RICH GOLD	(none)
G644 BRILLIANT GOLD	(none)
G645 SILVER	(none)
G646 BRILLIANT SILVER	(none)
G651 PRIMARY MAGENTA	(none)
G652 PRIMARY YELLOW	(none)
G654 PRIMARY CYAN	(none)
G658 PRIMARY BLACK	(none)
G659 PRIMARY WHITE	(none)

Woodhall Stopford, MD, MSPH
 Last Updated: 10/9/2008