

3-21-05



HK HOLBEIN, INC

P.O. BOX 555, WILLISTON, VT. 05495-0555
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Toll free (800) 682-6686 / (888)-HOLBEIN
Web site: www.holbeinhk.com

00812. all codes

RESPONSE TO MATERIAL SAFETY DATA SHEET REQUEST

PRODUCT IDENTIFICATION : **HOLBEIN DESIGNER GOUACHE** (3/20/02)

STATEMENT OF TOXICOLOGICAL EVALUATION

This product line has been certified in a program of toxicological evaluation by a medical expert and review by a toxicological advisory Board (a certification program of the Art and Creative Materials Institute, Inc.)

STATEMENT OF HAZARDOUS MATERIALS

The colors which do pose an acute or chronic hazard to humans follow:

- | | |
|-------------------------|--------------------|
| G504 Cadmium Red | G583 Cobalt Violet |
| G506 Cadmium Red Purple | G607 Jet Black |
| G523 Cadmium Yellow | |

Material Safety Data Sheets (MSDS) are attached.

STATEMENT OF NON-HAZARDOUS MATERIALS

Due to the absence of recognized hazards in the balance of this product line no MSDS are required by the OSHA Hazard Communication Standard. However , good work practices dictate that care be taken to avoid ingestion and unnecessary skin contact and to provide adequate ventilation if spray applying or mixing dry materials in a confined area.

V2215

MATERIAL SAFETY DATA SHEET

03/20/2002

MANUFACTURER OR DISTRIBUTOR: **Holbein, Osaka**
P.O. Box 555
175 Commerce Street
Williston, VT 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: **5, 15 ML** BRAND NAME: **HOLBEIN GOUACHE**
 PRODUCT CLASS: **DESIGNER COLORS (GOUACHE)**

SECTION II - HAZARDOUS INGREDIENTS

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

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SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
VAPOR PRESSURE: N/A
SPECIFIC VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: N/A
APPEARANCE AND ODOR:

MELTING POINT: N/A
SPECIFIC GRAVITY: N/A
REACTIVITY IN WATER: NON-REACTIVE

SECTION IV - FIRE AND EXPLOSION INFORMATION

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 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: 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 EXPOSURE MAY CAUSE RESPIRATORY ALLERGIES. EXPOSURE MAY CAUSE HARM TO THE DEVELOPING FETUS. EXPOSURE MAY CAUSE DAMAGE TO THE KIDNEYS OR LIVER. INHALATION MAY CAUSE LUNG DAMAGE. EXPOSURE MAY RESULT IN ITCHINESS OF THE SKIN WITH HIVES OR ECZEMA. plainXPOSURE 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.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.

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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. AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY.

SECTION IX - 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.

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SECTION X - COLOR INFORMATION

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

<u>Product Color</u>	<u>Hazardous Ingredient</u>
G501	(none)
G502	(none)
G503	(none)
G504	SOLUBLE CADMIUM
G505	(none)
G506	SOLUBLE CADMIUM
G507	(none)
G508	(none)
G509	(none)
G510	(none)
G520	(none)
G521	(none)
G522	(none)
G523	SOLUBLE CADMIUM
G524	(none)
G525	(none)
G526	(none)
G527	(none)
G528	(none)
G529	(none)
G530	(none)
G531	(none)
G532	(none)
G540	(none)
G541	(none)
G542	(none)
G543	(none)
G544	(none)
G545	(none)
G546	(none)
G547	(none)
G548	(none)
G549	(none)
G550	(none)
G551	(none)
G552	(none)
G553	(none)
G554	(none)

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SECTION X - COLOR INFORMATION (Cont'd)

<u>Product Color</u>	<u>Hazardous Ingredient</u>
G555	(none)
G560	(none)
G561	(none)
G562	(none)
G563	(none)
G564	(none)
G565	(none)
G566	(none)
G567	(none)
G568	(none)
G569	(none)
G570	(none)
G571	(none)
G572	(none)
G573	(none)
G574	(none)
G580	(none)
G581	(none)
G582	(none)
G583	SOLUBLE COBALT
G584	(none)
G585	(none)
G586	(none)
G587	(none)
G588	(none)
G589	(none)
G600	(none)
G601	(none)
G602	(none)
G603	(none)
G604	(none)
G605	(none)
G606	(none)
G607	SOLUBLE COPPER
G620	(none)
G621	(none)
G622	(none)
G630	(none)
G631	(none)
G640	(none)

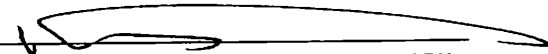
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SECTION X - COLOR INFORMATION (Cont'd)

<u>Product Color</u>	<u>Hazardous Ingredient</u>
G641	(none)
G642	(none)
G643	(none)
G644	(none)
G645	(none)
G646	(none)


Form Completed By:: Woodhall Stopford, MD, MSPH
Last Updated:: 02/26/2002



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RESPONSE TO MATERIAL SAFETY DATA SHEET REQUEST

PRODUCT IDENTIFICATION : **HOLBEIN DESIGNER GOUACHE (3/20/02)**

STATEMENT OF TOXICOLOGICAL EVALUATION – **California Proposition 65**

This product line has been certified in a program of toxicological evaluation by a medical expert and reviewed by a toxicological advisory Board (a certification program of the Art and Creative Materials Institute, Inc.)

STATEMENT OF HAZARDOUS MATERIALS

The colors which require Proposition 65 labeling for the State of California follow:

G504	Cadmium Red	G530	Jaune Brilliant No. 1
G505	Cadmium Red Deep	G531	Jaune Brilliant No. 2
G506	Cadmium Red Purple	G543	Cadmium Green
G523	Cadmium Yellow	G544	Cadmium Green Pale
G524	Cadmium Yellow Lemon	G552	Cadmium Green Deep
G525	Cadmium Yellow Orange	G603	Burnt Sienna
G528	Naples Yellow	G605	Burnt Umber
G529	Naples Yellow Italian		

Material Safety Data Sheets (MSDS) are attached.

STATEMENT OF PROPOSITION 65 WARNINGS

California Proposition 65 warnings are required when content of heavy metals exceed one (1) part per million. The balance of this product line requires no Proposition 65 labeling. No MSDS are required by the OSHA Hazard Communication Standard. Good work practices dictate that care be taken to avoid ingestion and unnecessary skin contact and to provide adequate ventilation if spray applying or mixing dry materials in a confined area.