

FROM : HK HOLBEIN, USA

FAX NO. : 8026585889

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HK HOLBEIN, INC

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01602-XXXX

RESPONSE TO MATERIAL SAFETY DATA SHEET REQUEST

PRODUCT IDENTIFICATION : **HOLBEIN ACRYLA ACRYLIC** (2/15/07)

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:

A224 (A024) Cadmium Yellow Middle
 A205 (A005) Cadmium Red Light
 A206 (A006) Cadmium Red Middle
 A207 (A007) Cadmium Red Purple

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.

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Material Safety Data Sheet

§ 1. Identity Information

Products' Name : ACRYLA (Holbein Artists' Acrylic Colors)
Manufacturer's Name : Holbein Works, Ltd.
Address : 4-10-52, Yokoshoji-cho, Higashi-osaka-shi, OSAKA 579-8063 Japan
Department : Technical Division
Telephone Number for information : 81-729-85-1223
Fax Number : 81-72-985-3516
Preparer : ALAKI, Yutaka
Date Prepared : 2002-6-14

§ 2. COMPOSITION / INGREDIENTS

Substance/Mixture: Mixture

Components	(Specific Chemical Identity, Common Name (s))	
Colorant	(Pigment*)	
Binder**	(Acrylic-Metacrylic Copolymer Emulsion)	CAS No. 25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS No. 25549-84-2
Moisturizer	(Propylene Glycol)	CAS No. 57-55-6
Thickener	(Polyacrylate)	CAS No. 9003-01-4
pH Agent	(Dimethylaminoethanol)	CAS No. 108-01-0
Preservative	(Benzimidazole)	CAS No. 148-79-8
Preservative	(Benzisothiazolinic)	CAS No. 2634-33-5

* and ** are Main Ingredients.

* : Individuals of pigments are shown on Table I of appendix.

UN Class : Not Applicable (N.A.)

§ 3. Physical / Chemical Characteristics

Appearance and Odor : Colored Paste with faint acrylic odor
Boiling Point : Approx. 100°C
Vapor Density (Air = 1) : —
Vapor Pressure (Butyl Acetate = 1) : simile. Water
Specific Gravity (H₂O = 1) : 1.1~1.5 (Av. 1.25)
Solubility in Water : Can be diluted. Not so, after dried.

§ 4. Fire and Explosion Hazard Data

Flash Point, Ignition Point : Not below 100°C
Flammability : Not combustible unless dried up
Stability and Reactivity : Stable under normal state
Incompatibility (Materials to Avoid) : None
Hazardous Decomposition or Byproducts : No thermal decomposition when stored and handled correctly. In case of fire, formation of carbon dioxide and oxide of metal according to pigment.
Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has

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evaporated.

§ 5. Fire-Fighting Measures

Method : Regular
 Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)

§ 6. Hazardous Information

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing
 Eye irritation : Irritant, but damage the organization
 Skin irritation : Irritant by repeated or prolonged contact, and may cause inflammation.
 Inhalation Toxicity : Although some of raw materials are pointed to may stimulate eyes and respiratory organs with their vapor or mists under highly concentrated state, the toxic act of acrylic colors is not confirmed.
 Oral Toxicity : Toxicity of acrylic colors is not confirmed. On pigments, to be noted. :
 Colors named with Cadmiums : Contains Cadmium ingredient, influences to fetus, induce kidney or lungs damage.
 Cobalt Blue : Contains soluble Cobalt. induce anemia and heart or lungs damage.
 Cerulean Blue : ditto
 Fish Toxicity : Emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

§ 7. First-Aid Measures

In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.
 Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.
 In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.
 Upon inhalation of aerosol/vapor/dust, take the person to fresh air. If there is difficulty in breathing, medical advice is required.

§ 8. Regulations

Danger Class : N.A. (Not flammable liquid)
 Law: Fire law : ditto

§ 9. Precautions for Safe Handling and Use

Exposure Controls / Personal Protection : Avoid invasion to the eyes or body. Avoid prolonged or repeated contact with skin. Wash mouth or hands well after use.
 Precautions for Storing and Transport : None, especially
 Disposal Considerations : Dispose in accordance with national and/or local regulations. Avoid entry into the sewage system (danger of clogging).

§ 10. Other Information

All information contained herein is for references and guidance for normal use, and not for all conceivable conditions of handling and use.
 The responsibility for irregular use belongs to user individuals.
 All information are under our knowledge of today, and not secure the perfection.
 All information may change according to circumstances.

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RESPONSE TO MATERIAL SAFETY DATA SHEET REQUEST

PRODUCT IDENTIFICATION : **HOLBEIN ACRYLA ACRYLIC** (2/15/07)

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:

A223 (A023) Cadmium Yellow Light	A245 (A045) Cadmium Green Deep
A224 (A024) Cadmium Yellow Middle	A205 (A005) Cadmium Red Light
A225 (A025) Cadmium Yellow Orange	A208 (A008) Cadmium Red Middle
A243 (A043) Cadmium Green Light	A207 (A007) Cadmium Red Purple
A244 (A044) Cadmium Green Middle	A321 (A121, A521) Zinc White

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.