

# Material Safety Data Sheet

<b>00813-1059</b>	<b>-4531</b>
<b>-1121</b>	<b>-5591</b>
<b>-2401</b>	
<b>-3761</b>	

## 1 Identity Information

**Products' Name** HOLBEIN ARTISTS' GOUACHE  
**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** 81-729-85-3516  
**Preparer:** ALAKI, Yutaka  
**Date Prepared** 2005-2-2

## 2 Composition / Ingredients

**Substance/Mixture** Mixture  
**Components (Specific Chemical Identity, Common Name (s))**  
Colorant (Pigment)\*  
Binder (Gum Arabic)\*\* CAS No. 9000-01-5  
Dispersant (Ox Gall)\*\*\* CAS No. 8008-63-7  
Moisturizer (Polyethylene Glycol) CAS No. 7732-18-5  
Preservative (Benzisothiazoline) CAS No. 2634-33-5  
, and are Main Ingredients.  
Individuals of pigments are shown on Table 1 of appendix.  
are not always used.  
**UN Class** Not Applicable (N.A.)

## 3 Physical / Chemical Characteristics

**Appearance and Odor** Colored Paste with unique odor  
**Boiling Point** Approx. 100  
**Specific Gravity (H<sub>2</sub>O = 1)** 1.1  
2.0 (Av. 1.45)  
**Solubility in Water** Can be diluted. Can be influenced after dried.

## 4 Fire and Explosion Hazard Data

**Flash Point, Ignition Point** N/A  
**Flammability** N/A  
**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 evaporated.  
**HGC** ¼

## 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 to some person.

Skin irritation Irritant by repeated or prolonged contact, and may cause inflammation.

Inhalation Toxicity Not been certified.

Oral Toxicity Although some of raw materials are pointed as some toxicity, the toxic act of them are not acute.

On pigments, to be noted.

Colors named with Cadmium – Cadmium Red, Cadmium Red Purple, Cadmium Yellow Contains Cadmium ingredient, influences to fetus, induces kidney or lungs damage.

Cobalt Violet Contains soluble Cobalt, induce anemia and heart or lungs damage.

Jet Black Soluble Copper, induce anemia

Fish Toxicity Not been certified.

## 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.

Inhalation is N/A.

## 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.

## 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.