



## SAFETY DATA SHEET

### § 1. IDENTITY INFORMATION

Product's Name : Holbein Acrylic Colors MAT (HAC-M)  
 Manufacturer's Name : HOLBEIN Works, Ltd.  
 Address : 2-2-5, Ueshio, Chuo-ku, Osaka-shi, OSAKA 542-0064 JAPAN  
 Telephone Number : 81-6-6191-7722  
 Department for Emergency : Technical Division  
 Address : 4-10-52, Yokoshoji-cho, Higashi-osaka-shi, OSAKA 579-8063 JAPAN  
 Telephone Number : 81-72-985-1221  
 Preparer : ALAKI, Yutaka  
 Date Prepared : 2015-5-3

### § 2. HAZARD IDENTIFICATION

Classification : Non-regulated  
 Hazzard Information : Especially none  
 Information of Individuals : Shown on Table 1 of appendix.

### § 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture (\* to \*\*\* are main ingredients)  
 Components (Specific Chemical Identity, Common Name(s))

Colorant	(Pigment*)	
Body**	(Calcium Carbonate)	C.I. 77200
Binder***	(Acrylic-Metacrylic Copolymer Emulsion)	CAS 25852-37-3
Dispersant	(Sodium Polycarboxylate)	CAS 25549-84-2
Moisturizer	(Propylene Glycol)	CAS 57-55-6
Thickener	(Polyacrylate)	CAS 9003-01-4
pH Agent	(Dimethylaminoethanol)	CAS 108-01-0
Preservative	(Benzimidazole)	CAS 148-79-8
Preservative	(Benzisothiazoline)	CAS 2634-33-5

### § 4. FIRST-AID MEASURES

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

### § 5. FIRE AND EXPLOSION HAZARDS

Flammability : Not combustible unless dried up  
 Flash Point, Ignition Point : Not below 100°C  
 Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has evaporated.  
 Fire Fighting Method : Regular  
 Extinguishing Media : Water (Foam, Dry powder and Carbon dioxide, if necessary)

### § 6. ACCIDENTAL RELEASE MEASURES

Especially none

### § 7. HANDLING AND STORAGE

Precautions for Handling : Especially none. Wash mouth or hands after use.  
 Precautions for Storing and Transport : Especially none

**§ 8. 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.

**§ 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor : Colored slurry with faint acrylic odor  
Boiling Point : Approx. 100°C  
Vapor Density (Air = 1) : —  
Vapor Pressure (Butyl Acetate = 1) : simile. Water  
Non Volatile : Approx. 60% (Differs depending on individuals)  
Specific Gravity (H<sub>2</sub>O = 1) : Av. 1.5 (Differs depending on individuals)  
Solubility in Water : Can be diluted. Not so, after dried.

**§ 10. HAZARD INFORMATION AND STABILITY**

Stability and Reactivity : Inert and stable under normal state  
Incompatibility (Materials to Avoid) : None  
Combustion Products : Carbon dioxide and oxide of metal according to pigment.  
Hazardous Decomposition or Byproducts : No thermal decomposition when stored and handled correctly.

**§ 11. TOXICOLOGICAL INFORMATION**

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing  
Eye irritation : Slightly irritant, and may induce keratitis.  
May hurtable, because of mineral particles, but essentially not damage the organization.  
Skin irritation : May 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 MAT is not confirmed.  
Oral Toxicity : The toxicity of Acrylic Colors MAT itself is not confirmed.

**§ 12. ECOLOGICAL INFORMATION**

Biodegradability: Not readily biodegradable.  
Persistency: Not been confirmed.  
Aquatic environment toxicity: Not expected to be toxic to aquatic environment.  
Fish Toxity: Emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

**§ 13. DISPOSAL CONSIDERATION**

Dispose in accordance with national and/or local regulations.  
Avoid entry into the sewage system (danger of clogging).

**§ 14. TRANSPORT INFORMATION**

ADR/RID : Not classified (ADR : Transportation of Dangerous Goods on Roads  
RID : Transportation of Dangerous Goods on Railways)  
UN Class, UN Number: N/A

**§ 15. REGULATORY INFORMATION**

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

**§ 16. 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.

## APPENDIX

Table 1 Information of Acrylic Colors MAT

AP (Approved Product) : Contain no materials in sufficient quantities to be toxic or injurious to humans.  
 CL (Cautionary Label) : Any known health risks and with information on the safe and proper use of these materials

Name of Color	Hazardous ingredient	Classification
Aqua Blue	—	AP
Beige	—	AP
Black	—	AP
Brilliant Pink	—	AP
Burnt Sienna	—	AP
Burnt Umber	—	AP
Carmine	—	AP
Cerulean Blue Hue	—	AP
Cobalt Blue Hue	—	AP
Deep Green	—	AP
Deep Yellow	—	AP
Fine Gold	—	AP
Gold	—	AP
Green	—	AP
Grey V-7	—	AP
Jaune Brillant	—	AP
Lemon Yellow	—	AP
Light Green	—	AP
Lilac	—	AP
Olive	—	AP
Orange	—	AP
Prussian Blue Hue	—	AP
Raw Umber	—	AP
Red Ochre	—	AP
Rose Violet	—	AP
Shell Pink	—	AP
Silver	—	AP
Terre Verte	—	AP
Ultramarine Deep	—	AP
Vermilion Hue	—	AP
Violet	—	AP
Viridian Hue	—	AP
White	—	AP
Wine Red	—	AP
Yellow	—	AP
Yellow Ochre	—	AP