



SAFETY DATA SHEET

2018-8-23

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200.
Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) :

HOLBEIN ACRYLIC COLORS MAT (HAC-M)

Manufacturer : HOLBEIN Works, Ltd.
Address : 2-2-5, Ueshio, Chuo-ku, Osaka-shi
OSAKA 542-0064 JAPAN
Telephone Number for information : 81-6-6191-7722
Emergency Telephone Number : 81-72-985-1221
Preparer : ALAKI, Yutaka

§ 2 - HAZARD IDENTIFICATION

Classification : Non-regulated
Danger : Not flammable, water-based product
Skin Irritation : Category 3 / Long time or repeated contact may irritate to skin and may cause inflammation.
Eye Effects : Category 2B / Causes eye irritation. Physically stimulates in the eyes, and may cause keratitis.
Ecological consideration : → § 12
Information of Individuals : Shown on Table of appendix.
GHS label elements : Void

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture (* : Main ingredient)

Components	(Specific Chemical Identity, Common Name(s), C.I. No)	CAS. No.
Colorant *	Pigment, →Appendix	
Body	Calcium Carbonate, PW18	471-34-1
Binder *	Acrylic-Metacrylic Copolymer Emulsion	25852-37-3
Moisturizer	Propylene Glycol, CH ₃ CH(OH)CH ₂ OH	57-55-6
Thickener	Polyacrylate	9003-01-4
pH agent	Dimethylaminoethanol	108-01-0
Preservative/Fungicide	Thiabendazole C ₁₀ H ₇ N ₃ S	148-79-8
Preservative/Antiseptic	Benzisothiazol C ₇ H ₅ NOS	2634-33-5
Surfactant	Sodium Polycarboxylate	25549-84-2
Water		7732-18-5

§ 4 - FIRST AID MEASURES

Eyes : In case of eye contact, never rub. Then rinse with plenty of water and if necessary consult an eye specialist.
Ingestion : In case of swallowing, drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.

Skin Contact : Wash with mild soap and water.
Inhalation : Remove to fresh air. Medical advice is required, if you feel unwell.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Not combustible, water-based product
Flash Point, Autoignition Point : N/A
Extinguishing Method : Regular
Extinguishing Media : No special media required
Unusual Fire and Explosion Hazards : Material will not support combustion.

§ 6 - ACCIDENTAL RELEASE MEASURES

Method : Wipe off.
Environmental Precautions : Prevent spills from entering storm sewers or drains and contact with soil.

§ 7 - HANDLING AND STORAGE

Precautions to Be Taken : Especially none.
Storage Requirements : Especially none. Keep from freezing.

§ 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 / CHEMICAL CHARACTERISTICS

Appearance : Colored slurry
Odor : Faint acrylic odor
Specific Gravity : Av. 1.5 (Differs depending on individuals)
Melting Point : N/A
Boiling Point : quasi Water
pH : 7~8
Solubility in Water : ∞ Not be diluted, after dried.

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Not flammable
Stability : Inert and stable under normal state
Reactivity : None
Conditions to Avoid : None
Combustion Products : Carbon dioxide and oxide of metal according to pigment.
Corrosive Behavior : No

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing, Ingestion
Oral Toxicity : The products may flocculate by gastric acid. The toxicity of Acrylic Colors MAT itself is not confirmed.
Inhalation : 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.
Skin irritation : May irritant by repeated or prolonged contact, and may cause inflammation.
Eye irritation : Slightly irritant, and may induce keratitis. May hurtable, because of mineral particles, but essentially not damage the organization.
Effects of Chronic Exposure : None known

Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity : No data available

Individual Information : See the table of Appendix.

§ 12 - ECOLOGICAL INFORMATION

Biodegradability : Not readily biodegradable.
Persistence and Degradability : Not confirmed as a product. Involves colorant-contamination.
Aquatic environment toxicity : Not expected to be toxic to aquatic environment.
Fish Toxicity : It is pointed that acrylic polymer emulsion may obstruct the breathing of fishes, if excess products pours.

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : Dispose in accordance with national and/or local regulations. Do not flush excess undiluted products into the sewer system (danger of clogging).

§ 14 - TRANSPORT INFORMATION

UN Proper Shipping Name : Not flammable slurry
UN Number : Not applicable
UN Hazard Class : Not applicable
Packing Group : Not applicable
ADR/RID : Not classified

ADR : Transportation of Dangerous Goods on Roads
RID : Transportation of Dangerous Goods on Railways)

§ 15 - REGULATORY INFORMATION

Danger Class : N/A (Not flammable liquid)
Fire Service Law : N/A
Industrial Safety and Health Law : N/A
Pollutant Release and Transfer Register : N/A
Conforms to ACMI under ASTM D 4236.
ACMI : The Art & Creative Materials Institute, Inc.
ASTM : ASTM International (Former "American Society for Testing and Materials")

§ 16 - OTHER INFORMATION

Notice : The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.

Appendix

Table COLOR INFORMATION

Name	Pigment	Classification	Name	Pigment	Classification
Aqua Blue	PB15, PW6	AP	Orange	PY3, PY170, PO36	AP
Beige	PBr6, PY42, PW6	AP	Prussian Blue Hue	PB29, PBk7	AP
Black	PBk11	AP	Raw Umber	PBr6, PY42, PBk11	AP
Brilliant Pink	PR9, PW6	AP	Red Ochre	PR101	AP
Burnt Sienna	PR101	AP	Rose Violet	PR122	AP
Burnt Umber	PBr6	AP	Shell Pink	PO36, PR9, PW6	AP
Carmine	PR9, PR170	AP	Silver	PW6/PW20	AP
Cerulean Blue Hue	PB15, PW6	AP	Terre Verte	PG17	AP
Cobalt Blue Hue	PB15, PB29, PW6	AP	Ultramarine Deep	PB29	AP
Deep Green	PG7, PY83	AP	Vermilion Hue	PR9, PO13	AP
Deep Yellow	PY83	AP	Violet	PV23, PR122, PW6	AP
Fine Gold	PW6/PW20	AP	Viridian Hue	PG7, PB15	AP
Gold	PW6/PW20	AP	White	PW6	AP
Green	PG7, PY3	AP	Wine Red	PR184	AP
Grey V-7	PW6, PBk7, PR101, PY42	AP	Yellow	PY3, PW6	AP
Jaune Brillant	PY53, PR9, PW6	AP	Yellow Ochre	PY42	AP
Lemon Yellow	PY3, PY53	AP			
Light Green	PG7, PY3, PY53	AP			
Lilac	PV23, PW6	AP			
Olive	PY83, PB29	AP			

AP (Approved Product) : Contain no materials in sufficient quantities to be toxic or injurious to humans.

PIGMENT

PR9	Monoazo pigment
PR101	Iron oxide
PR122	Quinacridone pigment
PR170	Monoazo pigment
PR184	Monoazo pigment
PO13	Pyrazolone pigment
PO36	Benzimidazolone pigment
PY3	Monoazo pigment
PY42	Iron hydroxide
PY53	Nickel-Antimony-Titanate
PY83	Disazo pigment
PY170	Disazo pigment
PG7	Copper phthalocyanine, chlorinated
PG17	Chromium sesquioxide
PB15	Copper phthalocyanine
PB29	Polysulfide of sodium alumino-silicate
PV23	Dioxazine pigment
PBr6	Iron-Manganese oxide (Native earth)
PBk7	Carbon
PBk11	Triiron tetroxide
PW6	Titanium dioxide
PW6/PW20	Titanated mica