

02009-XXXX

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Material Safety Data Sheet

U.S. Department of Labor

May be used to comply with Occupational Safety and Health Administration OSHA's
Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910. 1200.
Standard must be Form Approved consulted for specific requirements. OMB No. 1218-0072

§ 1 – IDENTITY INFORMATION

Product Name (as used on label and list) (HOLBEIN ACRYLA) COLOR GESSO

Manufacturer Address: HOLBEIN Works, Ltd.
1-3-20, Kamikosaka, Higashi-osaka-shi,
OSAKA 577-0806 JAPAN

Telephone Number for information: 81-6-6723-1555

Emergency Telephone Number: 81-72-985-1223

Date Prepared: 2011-12-20

Preparer: ALAKI, Yutaka

§ 2 – HAZARD IDENTIFICATION

This product is water-based and not classified as dangerous for supply or conveyance.
The ingredients are water-reducible and falls well within the acceptable safety limits.

GHS label elements Void

Classification : Non-regulated
Danger : Nonflammable on product, and flammable after dry.
Hazard information : Especially none
Ecological consideration : Especially none

§ 3 – COMPOSITION / INGREDIENTS

Substance/Mixture: Mixture

Components	(Specific Chemical Identity, Common Name (s))	
Colorant *	(Pigment)	
Body**	(Calcium Carbonate)	C.I. 77200
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	(Benzisothiazoline)	CAS No. 2634-33-5

* to * ** are Main Ingredients.

* : Individuals of pigments are shown on Table 1 of appendix.

§ 4 – FIRST AID MEASURES

Eyes : In case of eye contact, 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 plenty of water, soap or other non-irritating cleansing agents.

Inhalation : Upon inhalation of aerosol/vapor, take the person to fresh air.
If there is difficulty in breathing, medical advice is required.

§ 5 – FIRE AND EXPLOSION HAZARD DATA

Flammability : Not combustible unless dried up

Flash Point, Ignition Point : Not below 100°C

Combustion Products : Formation of carbon dioxide and oxide of metal according to pigment.

Extinguishing Method : Regular

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

Precaution for Firefighters : Do not inhale combustion gases.

Unusual Fire and Explosion Hazards : Material will not support combustion unless the water has evaporated.

Colo: Gesso 2/3

§ 6 – ACCIDENTAL RELEASE MEASURES

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

§ 7 – HANDLING AND STORAGE

Precautions for Storing : 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. Avoid inhaling aerosols.

§ 9 – PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance and Odor : Colored slurry with faint acrylic odor
 Non Volatile : Approx. 60% (Differs depending on individuals)
 Specific Gravity (H₂O = 1) : Av. 1.5 (Differs depending on individuals)
 Boiling Point : Approx. 100°C
 Vapor Density (Air = 1) : —
 Vapor Pressure (Butyl Acetate = 1) : simile. Water
 pH : 7.5~8.5
 Solubility in Water : Can be diluted. Not so, after dried.

§ 10 – HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable on product.
 Stability : Stable under normal state
 Reactivity : None
 Byproducts : Carbon dioxide, oxides of metals and water in case of fire.
 No thermal decomposition when stored and handled correctly.
 Incompatibility (Materials to Avoid) : None

§ 11 – TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation, swallowing
 Oral Toxicity : The products may flocculate by gastric acid. Toxicity of color gessesoes themselves is not confirmed.
 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.
 Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :
 No data available on products.

§ 12 – ECOLOGICAL INFORMATION

Fish Toxity : It is pointed that acrylic polymer emulsion may obstruct the breathing of fishes. in case of pouring the excess colors to river or pond.

§ 13 – DISPOSAL CONSIDERATIONS

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

§ 14 – TRANSPORT INFORMATION

Precautions for Transport : None, especially
 UN Class : N/A
 UN Number : N/A

§ 15 – REGULATORY INFORMATION

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

§ 16 – OTHER INFORMATION

Notice : All information contained herein is for references and guidance for normal use, and not for all

Color Gesso 3/3

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 Pigments of Color Gesso

Ref.	Name of Color	Name of Pigments (Chemically indicated)	C.I. Name	C.I. Number
A731	Gesso (M)	Titanium White (Titanium Dioxide)	Pig White 6	77891
A732	Gesso (S)	Titanium White (Titanium Dioxide)	Pig White 6	77891
A733	Gesso (L)	Titanium White (Titanium Dioxide)	Pig White 6	77891
A737	Gesso (LL)	Titanium White (Titanium Dioxide)	Pig White 6	77891
A851	Gesso Carmine	Azoic Pigment	Pig Red 9	12460
		Azoic Pigment	Pig Red 170	12475
A852	Gesso Orange	Azoic Pigment	Pig Yellow 3	11710
		Azoic Pigment	Pig Orange 5	12075
		Azoic Pigment	Pig Yellow 83	21108
A853	Gesso Jaune Brillant	Titanium Yellow (Nickel-Antimony Titanate)	Pig Yellow 53	77788
		Titanium White (Titanium Dioxide)	Pig White 6	77891
		Azoic Pigment	Pig Red 9	12460
A854	Gesso Yellow	Azoic Pigment	Pig Yellow 3	11710
		Titanium White (Titanium Dioxide)	Pig White 6	77891
A855	Gesso Yellow Ochre	Synthetic Ochre (Hydrous Iron Oxide)	Pig Yellow 42	77492
A856	Gesso Lemon Yellow	Azoic Pigment	Pig Yellow 3	11710
		Titanium Yellow (Nickel-Antimony Titanate)	Pig Yellow 53	77788
A857	Gesso Light Green	Titanium Yellow (Nickel-Antimony Titanate)	Pig Yellow 53	77788
		Phthalocyanine Green		
		(Polychloro Copper Phthalocyanine)	Pig Green 7	74260
		Azoic Pigment	Pig Yellow 3	11710
A858	Gesso Green	Phthalocyanine Green		
		(Polychloro Copper Phthalocyanine)	Pig Green 7	74260
		Azoic Pigment	Pig Yellow 3	11710
A859	Gesso Terre Verte	Chromoxide Green		
		(Anhydrous Chromium Sesquioxide)	Pig Green 17	77288
A861	Gesso Navy Blue	Ultramarine Blue	Pig Blue 29	77007
		(Complex of Silica, Alumina, Soda & Sulphur)		
		Phthalocyanine Green		
		(Polychloro Copper Phthalocyanine)	Pig Green 7	74260
A862	Gesso Co Blue	Ultramarine Blue	Pig Blue 29	77007
		(Complex of Silica, Alumina, Soda & Sulphur)		
		Phthalocyanine Green		
		(Polychloro Copper Phthalocyanine)	Pig Blue 15:3	74160
A863	Gesso Cerulean Blue	Titanium White (Titanium Dioxide)	Pig White 6	77891
		Phthalocyanine Green		
		(Polychloro Copper Phthalocyanine)	Pig Blue 15:3	74160
A864	Gesso Violet	Titanium White (Titanium Dioxide)	Pig White 6	77891
		Dioxazine Pigment	Pig Violet 23	51319
		Quinacridone Pigment	Pig Red 122	73915
		Titanium White (Titanium Dioxide)	Pig White 6	77891
		Native Brown Earth	Pig Brown 7	
		(Iron-Manganese Oxide-Hydroxide)	77491, 77499, 77727	
A865	Gesso Raw Umber	Native Brown Earth	Pig Brown 7	
		(Iron-Manganese Oxide-Hydroxide)	77491, 77499, 77727	
		Synthetic Ochre (Hydrous Iron Oxide)	Pig Yellow 42	77492
		Iron Black (Ferroso-Ferric Oxide)	Pig Black 11	77499
A866	Gesso Red Ochre	Iron Oxide	Pig Red 101	77491
A867	Gesso Burnt Umber	Native Brown Earth	Pig Brown 7	
		(Iron-Manganese Oxide-Hydroxide)	77491, 77499, 77727	
A868	Gesso Grey V-5	Titanium White (Titanium Dioxide)	Pig White 6	77891
		Carbon Black (Carbon)	Pig Black 7	77266
		Synthetic Ochre (Hydrous Iron Oxide)	Pig Yellow 42	77492
A869	Gesso Grey V-7	Titanium White (Titanium Dioxide)	Pig White 6	77891
		Carbon Black (Carbon)	Pig Black 7	77266
A734	Gesso Black	Iron Black (Ferroso-Ferric Oxide)	Pig Black 11	77499
A873	Gesso Bronze	Titanated Mica	Pig White 20, White 6	77019, 77891
A874	Gesso Silver	Titanated Mica	Pig White 20, White 6	77019, 77891
A875	Gesso Gold	Titanated Mica	Pig White 20, White 6	77019, 77891