

02009-XXXX

Color Gesso - 1/4



Material Safety Data Sheet

§ 1. Identity Information

Products' Name : (ACRYLA) Color Gesso
 (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 : 81-729-85-3516
Preparer : ALAKI, Yutaka
Date Prepared : 2004-1-6

§ 2. 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.

UN Class : Not Applicable (N.A.)

§ 3. Physical / Chemical Characteristics

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 (H2O = 1) : Av. 1.5 (Differs depending on individuals)
Solubility in Water : Can be diluted. Not so, after dried.

§ 4. Fire and Explosion Hazard Data

Color Gesso - 2/4

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 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 color gesso is not confirmed.
Oral Toxicity	: Toxicity of color gesso is not confirmed. On pigments, to be noted. :
Fish Toxicity	: Emulsion may obstruct the breathing of fishes, in case of pouring the excess colors to river or pond.

§ 7. First-Aid Measures

Eye contact	: Rinse with plenty of water and if necessary consult an eye specialist.
Skin contact	: Wash with plenty of water, soap or other non-irritating cleansing agents.
Swallowing	: Drink plenty of water. Induce vomiting. If you feel unwell, seek medical advice.
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 haands well after usc.
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Color Gesso - 3/4

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.

Appendix

Table 1 Pigments of Color Gesso

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	Pig Green 7	74260

Color Gesso - 4/4

	(Polychloro Copper Phthalocyanine)		
	Azoic Pigment	Pig Yellow 3	11710
A858 Gesso Green	Phthalocyanine Green	Pig Green 7	74260
	(Polychloro Copper Phthalocyanine)		
	Azoic Pigment	Pig Yellow 3	11710
A859 Gesso Terre Verte	Chromoxide Green	Pig Green 17	77288
	(Anhydrous Chromium Sesquioxide)		
A861 Gesso Navy Blue	Ultramarine Blue	Pig Blue 29	77007
	(Complex of Silica, Alumina, Soda & Sulphur)		
	Phthalocyanine Green	Pig Green 7	74260
	(Polychloro Copper Phthalocyanine)		
A862 Gesso Co Blue	Ultramarine Blue	Pig Blue 29	77007
	(Complex of Silica, Alumina, Soda & Sulphur)		
	Phthalocyanine Blue (Copper Phthalocyanine)	Pig Blue 15:3	74160
	Titanium White (Titanium Dioxide)	Pig White 6	77891
A863 Gesso Cerulean Blue	Phthalocyanine Blue (Copper Phthalocyanine)	Pig Blue 15:3	74160
	Titanium White (Titanium Dioxide)	Pig White 6	77891
A864 Gesso Violet	Dioxazine Pigment	Pig Violet 23	51319
	Qinacridone 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