



2017-1-26

SAFETY DATA SHEET

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

§1 - IDENTITY INFORMATION

Product Name (as used on label and list) (HOLBEIN Acrylic Colors)

(Ref. No.:AM403, AM433, AM463, AM503, AM563)	GESSO L
(Ref. No.:AM404, AM434, AM464)	GESSO LL
(Ref. No.:AM402, AM432, AM462, AM502, AM562)	GESSO M
(Ref. No.:AM401, AM431, AM461, AM501, AM561)	GESSO S
(Ref. No.:AM407, AM437, AM467, AM507)	CLEAR GESSO
(Ref. No. Appendix)	COLOR GESSO

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
 Department for Emergency : Technical division
 Telephone Number : 81-72-985-1221
 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 catalogue.

	Gesso L	Gesso M	Gesso S	Gesso SS	Clear Gesso	Color Gesso
Colorant	N/A	N/A	N/A	N/A	N/A	○
Titanium white	○	○	○	○	N/A	

§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.

§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 : White or colored slurry with faint acrylic odor
- Non Volatile : Approx. 60% (Differs depending on individuals)
- Specific Gravity (H₂O = 1) : Av. 1.5 (Gesso, Color Gesso. Differs depending on individual colors), 1.23 (Clear Gesso)
- Boiling Point : Approx. 100°C
- Vapor Density (Air = 1) : —
- Vapor Pressure (Butyl Acetate = 1) : Water
- pH : 7~8
- 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, ash 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 not 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 Toxicity : 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
Packing Group : N/A

§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, 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 conceivable conditions of handling and use. The responsibility for irregular use belongs to user individuals. All information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties. All information may change according to circumstances.

Appendix

Name	Reference number of Color Gesso				Classification
	300ml	330ml	900ml	2L	
Black (Black Gesso)	AM436	AM406	AM466	AM466	AP
Bronze	A673	A873	CG673	CG623	AP
Burnt Umber	A667	A867	CG667	CG617	AP
Carmine	A651	A851	CG651	CG601	AP
Cerulean Blue	A663	A863	CG663	CG613	AP
Co Blue	A662	A862	CG662	CG612	AP
Gold	A675	A875	CG675	CG625	AP
Green	A658	A858	CG658	CG608	AP
Grey V-5	A668	A868	CG668	CG618	AP
Grey V-7	A669	A869	CG669	CG619	AP
Jaune Brillant	A653	A853	CG653	CG603	AP
Lemon Yellow	A656	A856	CG656	CG606	AP
Light Green	A657	A857	CG657	CG607	AP
Navy Blue	A661	A861	CG661	CG611	AP
Orange	A652	A852	CG652	CG602	AP
Raw Umber	A665	A865	CG665	CG615	AP
Red Ochre	A666	A866	CG666	CG616	AP
Silver	A674	A874	CG674	CG624	AP
Terre Verte	A659	A859	CG659	CG609	AP
Violet	A664	A864	CG664	CG614	AP
Yellow	A654	A854	CG654	CG604	AP
Yellow Ochre	A655	A855	CG655	CG605	AP

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