



SAFETY DATA SHEET

2017-1-30

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. (Non-Mandatory Form)
 Standard must be consulted for specific requirements. Form Approved OMB No.1218-0072

§ 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : **IRODORI (Holbein Antique Color)**
 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

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 : Some colors are indicated as harmful.
 (cf. §11 - TOXICOLOGICAL INFORMATION)
 Ecological consideration : Especially none

§ 3 - COMPOSITION / INGREDIENTS

Substance/Mixture : Mixture

Components	(Specific Chemical Identity, Common Name (s))	CAS No
Colorant	(Pigment)*	
Body	(Calcium Carbonate)**	471-34-1
ditto	(Silica, Silicon Dioxide)**	7631-86-9
Binder	(Gum Arabic)**	9000-01-5
ditto	(Dextrine)**	9004-53-9
Dispersant	(Sodium polycarbonate)***	25549-84-2
Moisturizer	(Glycerine)	56-81-5
Preservative	(Benzisothiazoline)	2634-33-5

* and ** are main ingredients.

* and ** are chosen alone or together according to individual color.

*** is not always used.

§ 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 : Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.
 Inhalation : N/A If there is difficulty in breathing, medical advice is required.

§ 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : N/A
 Flash Point, Ignition Point : N/A
 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 : None, especially

§ 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 Paste with unique odor
 Specific Gravity (H₂O = 1) : Av. 1.45
 Boiling Point : approx. 100°C
 Vapor Pressure (Butyl Acetate = 1) : quasi Water
 Solubility in Water : Can be diluted. Can be influenced after dried.

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Nonflammable on product.
 Stability : Stable under normal state
 Reactivity : None
 Byproducts : In case of fire, formation of carbon dioxide, oxides of metals and water.
 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 toxicity of Irodori itself is not confirmed.
 Eye irritation : Irritant to some person, but not damage the organization
 Skin irritation : Irritant by repeated or prolonged contact, and may cause inflammation.
 Inhalation Toxicity : Not been certified.
 Carcinogenicity, Sensitization, Mutagenicity, Teratogenicity, Reproductive Toxicity :
 No data available on products.
 Individual Information : See the table of Appendix.

§ 12 - ECOLOGICAL INFORMATION

Fish Toxicity : Not been certified.

§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : Dispose in accordance with national and/or local regulations.

§ 14 - TRANSPORT INFORMATION

Precautions for Transport : None, especially
 UN Class, UN Number : N/A
 Packing Group : 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: 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	Notice	Classification	Antique Pompadour Name	Notice	AP Classification
Antique Amber		AP			AP
Antique Bamboo		AP	Antique Purple Red		AP
Antique Black		AP	Antique Red Ochre		AP
Antique Bright Yellow		AP	Antique Red Orange		AP
Antique Bronze Blue		AP	Antique Rose		AP
Antique Brown		AP	Antique Russet Brown		AP
Antique Coral Red		AP	Antique Seedling		AP
Antique Crimson		AP	Antique Silver		AP
Antique Cypress Bark		AP	Antique Silver Grey		AP
Antique Dandelion		AP	Antique Sky Blue		AP
Antique Dark Green		AP	Antique Smoked Bamboo		AP
Antique Deep Red		AP	Antique Spring Green		AP
Antique Elm Green		AP	Antique Sun Yellow		AP
Antique Gold		AP	Antique Turquoise		AP
Antique Green Oxide		AP	Antique Tyrian Purple		AP
Antique Grey Brown		AP	Antique Ultramarine		AP
Antique Jasper Green		AP	Antique Violet		AP
Antique Jaune Brilliant		AP	Antique Violet Blue		AP
Antique Lemon		AP	Antique White		AP
Antique Magenta		AP	Antique Yellow Green		AP
Antique Ochre		AP			
Antique Olive Green		AP			
Antique Opal Green		AP			
Antique Orange		AP			
Antique Orange Yellow		AP			
Antique Pale Blue		AP			
Antique Peacock Blue		AP			
Antique Pink		AP			

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. Not applicable on Irodori.