



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

### § 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : PG 401, PG 451 (Pigment) LITHOPONE

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  
 Date Prepared : 2015-7-27  
 Preparer : ALAKI, Yutaka

### § 2 - HAZARD IDENTIFICATION

GHS label elements Void  
 Classification : Non-regulated  
 Danger : Nonflammable

Hazard information : Especially none  
 Skin Irritation : Category 3  
 Eye Effects : Category 3

### § 3 - COMPOSITION / INGREDIENTS

Components	(Specific Chemical Identity, Common Name(s))	C.I. Name	CAS. No.
Lithopone (Co-precipitated mixture of Barium Sulfate and Zinc Sulfide, )	(ZnS+BaSO <sub>4</sub> )	Pigment White 5	1345-05-7

### § 4 - FIRST AID MEASURES

General advice : No hazards which require special 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.

Skin Contact : Wash with mild soap and water.

Inhalation : To be regarded as mere dust.

### § 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Not flammable  
 Flash Point, Auto-ignition Point : N/A  
 Combustion Products : N/A  
 Extinguishing Method, Extinguishing Media : N/A

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## § 6 - ACCIDENTAL RELEASE MEASURES

Use suitable vacuum equipment where reasonably practical, and then wipe off.

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## § 7 - HANDLING AND STORAGE

Precautions to Be Taken in Handling and Storing :

Storage Requirements : Avoid prolonged or repeated contact with skin and eyes.  
Especially none

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## § 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use mechanical ventilation to control dust.  
Personal Protection : Avoid inhaling dust.  
Threshold Limit Value : 10~15mg/m<sup>3</sup> (Inhalation respirable, ACGIH)

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## § 9 - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance : White powder  
Volatile : None  
Odor : Odorless  
Specific Gravity (H<sub>2</sub>O = 1) : ca. 4.3 g/cm<sup>3</sup>  
Melting Point : > 1,000 ° C (ZnS, subl.)  
> 1,350 ° C (BaSO<sub>4</sub>)  
Boiling Point : N/A  
Vapor Density (Air = 1) : -  
pH : ca.7  
Solubility : Insoluble in water, soluble in strong bases and acids

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## § 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Flammable.  
Stability : Stable under normal state.  
Reactivity : Reacts with acids under formation of Hydrogen Sulfide  
Incompatibility (Materials to Avoid) : Acids  
Corrosive Behavior : Non-corrosive

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## § 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, inhalation (as dust), ingestion  
Oral Toxicity (LD<sub>50</sub>) : > 5,000 mg/kg (Rats on Zinc Sulfide)  
Effects of Acute Exposure : None known  
Inhalation : Acts as mere dusts  
Effects of Chronic Exposure : None known  
Skin irritation : Long time or repeated contact may irritate to skin and may cause inflammation.  
Eye irritation : None, but hurtable to the eye mucous membrane  
Carcinogenicity, Reproductive Toxicity : No experimental or epidemiological evidence exists.  
Sensitization, Mutagenicity, Teratogenicity : No data available  
Specific information by ACMI is shown on Appendix.

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§ 12 - ECOLOGICAL INFORMATION

No suitable information

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§ 13 - DISPOSAL CONSIDERATIONS

To be disposed of in accordance with local regulations.

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§ 14 - TRANSPORT INFORMATION

Lithopone is not classified as a hazardous material

UN Proper Shipping Name : Mineral powder

UN Number : N/A

Transport Hazard Class : Non-regulated

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§ 15 - REGULATORY INFORMATION

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236.

Industrial Safety and Health Law, Fire Service Law,

Pollutant Release and Transfer Register, Ship Safety Act,

Poisonous and Hazardous Substances Control Law : Non-regulated

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§ 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.

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APPENDIX

PRODUCT INFORMATION

Lithopone is classified into AP genre.

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