

11/17/2001 12:55 526-333-7694

LAGUNA CLAY CO

58550-09 ✓

30402-7336

1

MATERIAL SAFETY DATA SHEET

11/8/01

SECTION I - MANUFACTURER & PRODUCT INFORMATION

LAGUNA CLAY COMPANY  
14400 LOMITAS AVE.  
CITY OF INDUSTRY, CA 91746

Phone: (626) 330-0631  
Fax: (626) 333-7694  
E-mail: info@lagunaclay.com

TRADE NAME: EM 1009

CHEMICAL NAME: N/AP

CHEMICAL FAMILY: Liquid Glaze

SECTION II - POTENTIAL HAZARDOUS INGREDIENTS

INGREDIENT NAME:

- |                                |                   |
|--------------------------------|-------------------|
| 1. Crystalline Silica (Quartz) | Cass # 14808-60-7 |
| 2. Clay                        | Cass # 1332-58-7  |
| 3. Inorganic Pigments          | (See Section VI)  |

SECTION III - PHYSICAL DATA

Specific Gravity: 1.7	Appearance and Odor: Green liquid
Melting Point: N/AP	Evaporation Rate: N/AP
Solubility in Water: N/AV	

Boiling point/ Vapor pressure/ Vapor Density/ are all N/A

SECTION IV - FIRE AND EXPLOSION DATA

Flammable Limits: LEVEL: N/AP UEL: Ignition N/AP Ignition Range: N/AP  
 Extinguishing Media: Water  
 Special Fire Fighting Procedures: None  
 Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability Factor Stable: X Unstable:  
 Hazardous Polymerization: Will not occur.  
 Conditions to Avoid: Breathing Dust  
 Incompatibility: None  
 Hazardous Decomposition: Will not occur.

SECTION VI - HEALTH HAZARD DATA

SILICA:

PRIMARY ROUTES of ENTRY: Inhalation (In DRY FORM ONLY), Dermal, and Ingestion

OVEREXPOSURE EFFECTS: This product contains crystalline silica; there is evidence of delayed respiratory disease (silicosis) if inhaled over a long period of time. IRAC, NTP, and California Prop 65

V-4550

11/17/2001 12:55 525-333-7694

LAGUNA CLAY CO

2

**MATERIAL SAFETY DATA SHEET**

11/8/01

conclude that inhaled crystalline silica causes cancer. This product contains a small amount of Titanium Dioxide (Cass # 13463-67-7) as a part of the natural clay composition. This has been listed by NIOSH as a potential carcinogen.

Respirable Quartz: OSHA PEL: TWA-TLV= 0.1mg/m<sup>3</sup>, ACGIH TLV= 0.1mg/m<sup>3</sup>,  
NIOSH TWA:= 0.05 mg/m<sup>3</sup>

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with a lung disease condition (E.g. bronchitis, emphysema, chronic pulmonary disease) can be aggravated by exposure.

**EMERGENCY and FIRST AID PROCEDURES:** No specific first aid is necessary since the adverse health effects associated with these compound results from chronic exposures. If there is a gross inhalation of dust, remove the person to fresh air, give artificial respiration as need, and seek medical help.

**EYES:** May cause irritation.

**SKIN:** May cause local dermatitis, which is relieved when removed.

**INHALATION:** See section V.

**INGESTION:** Toxicity due to ingestion is low.

**PHYSICIANS NOTE:** None.

**INORGANIC PIGMENTS (if applicable):**

Barium Carbonate Cass # 513-77-9

**Exposure Limits:**

OSHA Permissible Exposure Limit (PEL): 0.5 mg (Ba)/m<sup>3</sup>

ACGIH Threshold Limit Value (TLV): 0.5 mg (Ba)/m<sup>3</sup> A4 - not classifiable as a human carcinogen

**SECTION VII – TOXICOLOGY INFORMATION**

If the above is a liquid glaze, glazes are certified to NON TOXIC, conforming to ASTM D-4236 and C-1023 under the federal Labeling of Hazardous Art Materials Act (LHAMA). Toxicology data of some components is available upon request

**SECTION VIII – SPILL AND LEAK PROCEDURES**

**WASTE DISPOSAL METHODS:** Dispose of in accordance with Federal, State, and Local regulations.

**SECTION IX – SPECIAL PROTECTIVE INFORMATION**

Provide adequate ventilation to keep dust or vapor concentrations below acceptable exposure limits. Use gloves as needed for handling material containers. Wear safety glasses when needed. Appropriate respiratory protection may be required to protect from certain dusts. Respirators must be selected and used in accordance with OSHA SUB PART 1 (29 CFR 1910.134).

**SECTION X – REGULATORY INFORMATION**

This product may contain component(s) that require reporting under Section 313 of the Emergency Planning and Community Right-To-Know Act (Superfund Amendments and Reauthorization Act), and 40 CFR Part 372.

**SARA TITLE III DATA** (Reportable items under OSHA regulations [29 CFR 1910.1200 (C)]):  
Barium < 3%

11/17/2001 12:55 525-333-7694

LAGUNA CLAY CO

PAGE 3/3

3

**MATERIAL SAFETY DATA SHEET**

11/8/01

**SECTION XI – TOXIC SUBSTANCE CONTROL ACT (TSCA)**

This product (and all of its components) is in compliance with the U.S. EPA 15 U.S. C. 2604 regulation.

**SECTION XII – DEFINITIONS AND ABBREVIATIONS**

ACCIH	American Conference of Governmental Industrial Hygienists
C(CIEL)	The concentration that shall not be exceeded during any part of the working exposure.
CALOSHA	California Occupational Safety and Health Administration
CAS	Chemical Abstracts Service Registry Number
EPA	Environmental Protection Agency
IARC	International Agency for Research on Cancer
LEL	Lower Explosion Limit
N/AP	Not Applicable
N/AV	Not Available
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limits
SARA	Superfund Amendments and Reauthorization Act
STEL	Short Term Exposure Limit. Usually a 15-minute time weighted average. Exposure should not be exceeded at any time during a workday.
TLV	Threshold Limit Values
TSCA	Toxic Substance Control Act
TWA	Time Weighed Average. Exposure concentration for a normal 8-hour day.

**SECTION XIII – DISCLAIMER**

Every endeavour has been made to ensure that the information contained in this document, is reliable but Laguna Clay Company cannot accept liability for any loss, injury or damage, which may result from its use or alteration from original format. Customers are reminded that there may be uses or applications of our products which are protected by patents under which Laguna Clay Company have no rights. If any difficulties arise we shall be glad to discuss them. Customers are encouraged to conduct their own tests. Before using this product, please read all instruction labels and procedures.