



PRODUCT/MATERIAL: Borate

MANUFACTURER / DISTRIBUTOR: LAGUNA CLAY COMPANY
 ADDRESS: 14400 Lomitas Avenue, City of Industry, CA 91746
 PHONE / FAX/ E-MAIL: (626) 330-0631 / (626) 333-7694 / MSDS@Lagunaclay.com

SECTION I – PRODUCT IDENTIFICATION

TRADE NAME: SG 574

SYNONYM: Laguna Borate

CHEMICAL FAMILY: Not Applicable

SECTION II – HAZARDOUS INGREDIENTS

| INGREDIENT NAME | CAS NUMBER | EXPOSURE LIMITS |
|--|------------|---|
| Crystalline Silica (Quartz) | 14808-60-7 | Respirable Quartz: OSHA PEL: TWA-TLV= 0.1mg/m ³ , ACGIH TLV= 0.1mg/ ³ , NIOSH TWA:= 0.05 mg/. m ³ |
| Calcium Carbonate: (Also known as: Limestone, Whiting, Marblewhite. CaCo3) | 1317-65-3 | OSHA PEL 15.00 mg/m ³ ; ACGIH TLV 10 mg/m ³ ; NIOSH REL: 10.00 mg/m ³ |

THERE ARE EXTREMELY SMALL, BUT DETECTABLE AMOUNTS OF SUBSTANCES REGULATED UNDER CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65).

None.

THESE LEVELS ARE "TYPICAL QUANTITIES" AND MAY CHANGE SLIGHTLY WITH DIFFERENT LOTS. THE TERM "LESS THAN OR TRACE AMOUNT" INDICATES THAT THE SUBSTANCE WAS DETECTED, BUT THE AMOUNT WAS LESS THAN THE QUANTIFIABLE LIMIT.

SECTION III – PHYSICAL DATA

| | |
|----------------------------|--|
| BOILING POINT (°F) | Not Applicable |
| VAPOR PRESSURE | Not Applicable |
| VAPOR DENSITY | Not Applicable |
| SOLUBILITY IN WATER | Insoluble |
| SPECIFIC GRAVITY | 1.7 – 3.7 |
| PERCENT VOLATILE BY WEIGHT | 0 |
| EVAPORATION RATE | 0 |
| APPEARANCE AND ODOR | Color varies between moist and dry state; no odor. |

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

| | |
|-----------------------------------|---------------|
| FLASH POINT | Not Flammable |
| EXTINGUISHING MEDIA | Water |
| UNUSUAL FIRE OR EXPLOSION HAZARDS | None |
| SPECIAL FIRE FIGHTING PROCEDURES | None |

SECTION V – REACTIVITY DATA

| | |
|----------------------------------|--|
| STABILITY FACTOR | Product is stable. |
| INCOMPATIBILITY | None |
| HAZARDOUS DECOMPOSITION PRODUCTS | None. Hazardous polymerization will not occur. |
| CONDITIONS TO AVOID | Inhalation of dust. |

SECTION VI – HEALTH HAZARD DATA**CARCINOGENICITY**

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 Proposition 65 conclude that inhaled crystalline silica causes cancer. This product contains a small amount of Titanium Dioxide as a natural part of the clay's composition. This has been listed by NIOSH as a potential carcinogen.
Respirable Quartz: OSHA PEL: TWA-TLV = 0.1mg/m³, ACGIH TLV=0.1mg/m³, NIOSH TWA =0.05 mg/ m³.

PRIMARY ROUTES OF ENTRY

Inhalation (dry form only), ingestion and dermal.

SUMMARY OF RISKS

Individuals with a lung disease/condition (e.g.: bronchitis, emphysema, chronic pulmonary disease) can be aggravated by exposure

1) Calcium Carbonate

This product is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200; California Regulatory laws list calcium carbonate as carcinogenic, developmentally toxic and harmful to reproductive organs. Contains < 100 PPM of cadmium, chromium, lead and mercury which are natural components and not added ingredients. This product does not fall under the reporting requirements of Sara Title III.

EMERGENCY FIRST AID

No specific first aid is necessary since the adverse health effects associated with this compound results from chronic exposures.

Eye Contact:

May be an irritant, flush eyes with generous amounts of water for at least 15 minutes; call a physician if irritation persists.

Skin Contact:

May cause local dermatitis, which is relieved when removed.

Ingestion

Toxicity due to ingestion is low.

Inhalation

Remove to fresh air, call a physician if irritation due to inhalation persists.

Physician's Note

None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**Spills or Release Procedure**

Follow normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum or use wet clean-up techniques.

Waste Disposal Procedure

Dispose material in accordance with Federal, State, and Local regulations.

SECTION VIII – CONTROL MEASURES

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 Subpart 1 (29 CFR 1910.134).

SECTION IX – TOXICOLOGICAL INFORMATION

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

If your product is a glaze; Laguna Clay Company liquid glazes are certified as NON-TOXIC, and conform to ASTM D-4236 and C-1023 under the federal Labeling of Hazardous Art Materials Act (LHAMA).

Specific Toxicology information on materials is available upon request.



SECTION X – REGULATORY

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

SARA TITLE III Data: None.

SECTION XI – DISCLAIMER

The information provided in this MSDS document has been provided to Laguna Clay Company by its material suppliers and is represented by those suppliers as accurate and reliable.

Laguna Clay Company is not liable for injury, loss, or damage, direct or consequential, arising out of the use or inability to properly use this product. This product is intended only for use in traditional ceramic applications.

This MSDS conforms to the ASTM D-4236 and C-1023 requirements defined by LHAMA, the Federal Labeling of Hazardous Art Materials Act. LHAMA was developed by the American Society of Testing and Materials (ASTM) to ensure the proper labeling of art materials.