

MATERIAL SAFETY DATA SHEET

3/14/00

SECTION I - MANUFACTURER & PRODUCT INFORMATION

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TRADE NAME: Em-1100,1102,1103,11104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,
1115,1117,1118,1130,1131,1134,1136,1137,1139,1140,1142,1143,1144,1145,1146,1147,1151,1152,
1156,1157,1158,1159,1160,1161,2002,2134,2135.

CHEMICAL NAME: N/AP

CHEMICAL FAMILY: Ceramic Glaze

SECTION II - POTENTIAL HAZARDOUS INGREDIENTS

Note: Existing 1% or more of the product mixture, or (0.1)% or more if considered to be a carcinogen as established in the Federal OSHA Standard (29 CFR 1910.1200).

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 Melting Point: 2000F Solubility in Water: N/AV
Appearance and Odor: Off White Evaporation Rate: N/AP
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.

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SECTION VI – HEALTH HAZARD DATA

PRIMARY ROUTES of ENTRY: Inhalation, Dermal, Ingestion. In DRY FORM ONLY.

OVEREXPOSURE EFFECTS: This product contains crystalline silica which may cause delayed respiratory disease (silicosis) if inhaled over a long period of time. IRAC, NTP, and California Prop. 65 concludes there is or may be evidence that inhaled crystalline silica causes cancer.

This product contains a small amount of Titanium Dioxide as a part of a clay composition. This has been listed by NIOSH as a potential carcinogen.

Respirable Quartz: OSHA PEL: TWA-TLV= $0.1\text{mg}/\text{m}^3$, ACGIH TLV= $0.1\text{mg}/\text{m}^3$, NIOSH TWA:= $0.05\text{mg}/\text{m}^3$

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 this compound results from chronic exposures. If there is a gross inhalation of dust, remove the person to fresh air, give artificial respiration as need, 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: The pigments used in these products are not considered hazardous by the state of California or any government agency.

SECTION VII – TOXICOLOGY INFORMATION

The above liquid 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).

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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: None

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 work day. |
| TLV | =Threshold Limit Values |
| TSCA | =Toxic Substance Control Act |
| TWA | =Time Weighed Average. Exposure concentration for a normal 8 hour day. |

SECTION XIII – DISCLAIMER

Judgement as to the suitability of information herein or to the purchaser's purposes are solely the purchaser's responsibility. Reasonable care has been taken in the preparation of this information.

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