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**MATERIAL SAFETY DATA SHEET**

2/21/00

**SECTION VI – HEALTH HAZARD DATA****SILICA.**

**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= 0.1mg/m<sup>3</sup> , ACGIH TLV= 0.1mg/<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 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:**

Cobalt metal, dust, and fume (as Co) Cass # 7440-48-4

OSHA PEL: ACGIH TLV:

0.10 mg/M# 0.02 mg/M<sup>3</sup>

This pigment is formed by high temperature calcination. therefore, it dose not necessarily have any of the properties of its component oxides or metals.

Cobalt and cobalt compounds are listed under California Proposition 65 as a carcinogen.

**SECTION VII – TOXICOLOGY INFORMATION**

The above liquid glazes are certified to be 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 is 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: Cobalt

**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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