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October 13, 1999

MATERIAL SAFETY DATA SHEET

SECTION I - MANUFACTURER & PRODUCT INFORMATION

Clay Art Center
OREYON BROWN GLOS

PH: (626) 330-0632
FAX: (626) 333-7694

CHEMICAL NAME: Hydrrous Alumina Silicate

CHEMICAL FAMILY: N/A

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. Free Silica (Quartz) 5 - 20% Some of this Silica is not fine enough to normally be considered respirable.
2. Talc Non Asbestos Form 5-60%
3. Titanium Dioxide 0.5-1.25%.

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SECTION III - PHYSICAL DATA

Specific Gravity: N/A	Melting Point: N/AP	Solubility in Water: No
Appearance and Odor: Light Tan to Dark Grey		Evaporation Rate: None
Boiling point/ Vapor pressure/ Vapor Density/ are all N/A		

SECTION IV - FIRE AND EXPLOSION DATA

Flammable Limits: LEVEL: N/A UEL: Ignition N/A Ignition Range % mix in air: 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:
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Hazardous Polymerization: Will not occur.
 Conditions to avoid: Avoid breathing dust. Use NIOSH/MSHA approved respirator where the TLV for Crystalline silica may be exceeded.
 Incompatibility: None.
 Hazardous Decomposition: Will not occur.

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES of ENTRY: Inhalation, Dermal, Ingestion. Inhalation presents a health hazard in **DRY FORM ONLY**. Laguna Clays in moist form do not present an inhalation health hazard as evaluated under ASTM 4236.

IN DRY FORM ONLY:

OVEREXPOSURE EFFECTS: This clay 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 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= $0.05\text{mg}/\text{m}^3$

Respirable Talc: OSHA PEL: TWA-TLV= $2\text{mg}/\text{m}^3$

Titanium Dioxide: OSHA/NIOSH TWA = $15\text{mg}/\text{m}^3$

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 (in moist or dry form)

PHYSICIANS NOTE: None.

SECTION VII - TOXICOLOGY INFORMATION

Toxicology data of some components is available upon request. Call Laguna Clay at (626) 330-0631 Ext. 214/218 to make your 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))
 Quartz, Talc, Titanium.

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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