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MAYCO MSDS SHEET # 8

SECTION 1 Chemical Product and Company Information

Prepared July 25, 2000

Supersedes: All previous

Manufacturer: MAYCO COLORS division of Coloramics, LLC
4077 Weaver Ct. South
Hilliard, Ohio 43026

IN CASE OF EMERGENCY PLEASE CONTACT YOUR LOCAL POISON CONTROL CENTER

Prepared by: MSDS department
Information Telephone Number: 614-876-1171
Ceramic Glazes and underglazes:

Astro Gem Glazes:	AS-540, 542 through AS-544, 549, 551
One Stroke Colors:	OS-44 through OS-46, OS-50, 53
Underglazes:	UG-84 through UG-86
Series 2000:	S-2104, 2105, 2122, 2130, 2203, 2204, 2404, 2405, 2420, 2576

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SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Crystalline Silica (Quartz)	CAS # 14808-60-7
Cadmium Compounds in insoluble form.	< 1 % CAS # 7440-43-9
Selenium compounds in insoluble form.	< 0.1 % CAS # 7782-49-2
Zirconium Compounds	< 4 % CAS # 7440-67-7

Exposure Limit (Air), mg/M3, 8 hr TWA

	OSHA/PEL	ACGIH/TLV	Cal-OSHA/PEL
Crystalline Silica	0.10mg/M3	0.10mg/M3	0.10mg/M3
Cadmium Compounds	5ug/M3	10ug/M3	5ug/M3
Zirconium	0.20mg/M3	0.20mg/M3	0.20mg/M3
Cadmium and other compounds are in insoluble form.			

mg/M3 respirable dust = 10mg/M3
% respirable quartz + 2

SECTION 3 HAZARDS IDENTIFICATION

HEALTH HAZARD DATA

Route (s) of Entry: Inhalation - If spray applied and inhaled may cause damage to lungs.
Cancer agent by inhalation based on lab tests. In moist form non-hazardous. These products have been certified non toxic.

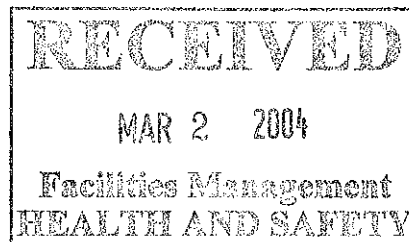
Skin - None

Ingestion -unknown, compounds in insoluble form.

Carcinogenicity NTP: no

IARC MONOGRAPHS Yes

OSHA Regulated. No



SECTION 4 FIRST AID MEASURES

Emergency and First Aid Procedures: Eyes - Flush with running water.
Gross Inhalation - Remove to fresh air. If breathing is difficult give oxygen. Call a physician. For material in eyes, flush with water for 15 minutes.

SECTION 5 FIRE FIGHTING MEASURES**FIRE AND EXPLOSION HAZARD DATA**

Flash Point (method used): N/A

LEL: N/A

UEL: N/A Flammable Limits: N/A

Extinguishing Media: None required, not combustible.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate area.

Steps to be taken in case material is released or spilled: Uncontaminated material may be recovered and re-used. If contaminated, scoop, vacuum, or wash into a receptacle for disposal.

Waste Disposal Method: Follow Federal or State and Local regulations for disposal.

SECTION 7 HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled: Uncontaminated material may be recovered and re-used. If contaminated, scoop, vacuum, or wash into a receptacle for disposal.

Waste Disposal Method: Follow Federal or State and Local regulations for disposal.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Use of the following protective measures are strongly recommended if the products are to be applied by spraying. Not recommended or endorsed.

Normal use and application not required.

The Work/Hygienic Practices apply regardless of the method of application. Respiratory

Protection (Specify Type): Use a NIOSH approved dust and/or fume respirator as necessary.

Ventilation: Local Exhaust - for spraying

Protective Gloves: N/A

Eye Protection: wear safety glasses if possibility of splashing in eyes.

Other Protective Clothing or Equipment: Wear appropriate clean, protective clothing such as,

but not limited to, overalls, smocks, and aprons. Work/Hygienic Practices: Food, beverages,

and smoking materials should not be in the work area. Hygiene is very important. Wash thoroughly before eating, drinking, smoking, or applying cosmetics. Supervise small children.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL/CHEMICAL CHARACTERISTICS**

Specific Gravity (H₂O=1): 1.4 to 1.6

Melting Point: above 1000oF

Boiling Point: N/A Vapor Pressure: N/A

Vapor Density: N/A

Percent Volatile by Volume: N/A

Evaporation Rate: N/A

Solubility in Water: Negligible

Appearance and Odor: Various colors, odor slight sulphur/earthy, aqueous slurry.

SECTION 10 STABILITY AND REACTIVITY DATA

REACTIVITY DATA

Incompatibility (material to avoid): None. Avoid fumes from firing by venting kiln area.

Stability: Stable (conditions to avoid: N/A)

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization: Will not occur (conditions to avoid: N/A)

SECTION 11 TOXICOLOGICAL INFORMATION

DO NOT SPRAY APPLY

Skin - May be skin irritant with prolonged contact.

Ingestion -not known, Do not take internally.

Eye: may be eye irritant

Carcinogenicity NTP; crystalline silica

IARC MONOGRAPHS Yes level 2A grouping.

OSHA Regulated. No

Signs and Symptoms of Exposure: Excessive inhalation of dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

This indicates "sufficient evidence" for Carcinogenicity to animals and "limited evidence" for Carcinogenicity to humans.

Medical Conditions Generally Aggravated by Exposure: In extreme cases individuals with pulmonary and / or respiratory disease should avoid exposure to dust/mists..

SECTION 12 ECOLOGICAL INFORMATION

No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Follow your Federal or State and Local regulations for disposal. Testing of the waste may be required to determine status under the hazardous waste regulations.

SECTION 14 TRANSPORTATION INFORMATION

No data available

SECTION 15 REGULATORY INFORMATION

	OSHA/PEL	ACGIH/TLV	Cal-OSHA/PEL
Crystalline Silica	0.10mg/M3	0.10mg/M3	0.10mg/M3
Cadmium Compounds	5ug/M3	10ug/M3	5ug/M3
Zirconium	0.20mg/M3	0.20mg/M3	0.20mg/M3
Cadmium and other compounds are in insoluble form.			

mg/M3 respirable dust = $\frac{10\text{mg/M3}}{\% \text{ respirable quartz} + 2}$

SECTION 16 ADDITIONAL INFORMATION

This information is furnished with out warranty, representation, inducement or license of any kind, except that it is accurate to the best of knowledge of COLORAMICS, LLC or obtained from sources believed to be accurate. COLORAMICS, LLC does not assume any legal responsibility for use or reliance on same. Customers are encouraged to conduct their own tests before using any product. Read the product label.