

SECTION I - MANUFACTURER IDENTIFICATION:

Mason Color Works, Inc.  
250 East 2nd Street  
P.O. Box 76  
East Liverpool, OH 43920

Phone: 330-385-4400  
Fax: 330-385-4488

\* EMERGENCY PHONE NUMBERS:

POISON CONTROL CENTER - 1-800-872-5111  
CHEMTREC - 1-800-424-9300

Prepared by: Carol M. Cronin  
Date Prepared: Dec. 1998

SECTION II - IDENTIFICATION OF PRODUCT:

CHEMICAL FAMILY - Inorganic

PRODUCT - Coral Red 6025, Lobster 6026, Tangerine 6027

CHEMICAL ABSTRACT SUBSTANCE SERVICE REGISTRY NUMBER (CAS) - 72828-62-7

FAMILY/CHEMICAL NAME - Pigment and silica mixture

SECTION III - HAZARDOUS INGREDIENTS IDENTITY/INFORMATION:

This product is a blend of various metal oxides, salts and some compounds which are interfused by high calcination to form the finished product. Section III and Section IV pertain to individual components. Section V through Section X are in reference to the finished product.

THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET MUST BE PROVIDED TO EVERY EMPLOYEE WHO IS EXPOSED TO THIS PRODUCT IN ANY WAY. WE RECOMMEND THE USER READS AND UNDERSTANDS THE CONTENTS HEREIN BEFORE USING THIS MATERIAL. PLEASE KEEP ON FILE FOR FUTURE REFERENCE.

\*\*\*\*\*ATTENTION RETAILERS\*\*\*\*\*

RETAILERS OF THIS PRODUCT ARE REQUIRED BY LAW TO SUPPLY THEIR CUSTOMERS WITH A COPY OF THIS MATERIAL SAFETY DATA SHEET WITH THEIR PURCHASE.

SARA 313

This product contains certain oxides and compounds which are subject to the reporting requirements of Superfund Amendment and Reauthorization Act (SARA) of 1986, Section 313 of the Emergency Planning and Community Right to Know Act and of 40 CFR, Part 372.

85% Cadmium Compound - less than 1% Metal as Cd  
85% Selenium Compound - less than 1% Metal as Se

THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS SUBSTANCE UNDER THE FEDERAL OSHA COMMUNICATION STANDARD 29 CFR 1910.1200.

THE KEY IMMEDIATE HAZARDS ARE SKIN, EYE AND RESPIRATORY IRRITANT.

**SECTION III - HAZARDOUS INGREDIENTS IDENTITY/INFORMATION: (CONTINUED)**

Cadmium Compound  
CAS 7440-43-9

ACGIH TLVs - 0.01 mg/m<sup>3</sup> inhalable fraction  
(TWA) .002 mg/m<sup>3</sup> respirable fraction

OSHA PELs - .005 mg/m<sup>3</sup>  
(TWA)

NIOSH RELs - Ca; lowest feasible conc. (LOQ 0.1 mg/m<sup>3</sup>)

Various forms of cadmium are considered to be carcinogenic by IARC, NTP, OSHA, ACGIH

Zirconium Oxide  
CAS 7440-67-7

ACGIH TLVs - 5.0 mg/m<sup>3</sup> 10.0 mg/m<sup>3</sup> (STEL)  
(TWA)

OSHA PELs - 5.0 mg/m<sup>3</sup>  
(TWA)

NIOSH RELs - 5.0 mg/m<sup>3</sup> (TWA) 10.0 mg/m<sup>3</sup> (STEL)

Zirconium Oxide has not been classified as a human carcinogen by IARC, NTP or OSHA

Silica - Crystalline  
Quartz  
CAS 14808-60-7

ACGIH TLVs - 0.1 mg/m<sup>3</sup> (TWA) Respirable

OSHA PELs -  $\frac{30 \text{ mg/m}^3}{\% \text{ SiO}_2 + 2}$  total dust  $\frac{250 \text{ mppcf}}{\% \text{ SiO}_2 + 5}$  respirable dust  
(TWA)

(STEL)  $\frac{10 \text{ mg/m}^3}{\% \text{ SiO}_2 + 2}$  respirable dust

NIOSH RELs - 0.05 mg/m<sup>3</sup> (TWA) Respirable dust

Crystalline Quartz is considered to be carcinogen by IARC, NIOSH & NTP

**SECTION IV - SYMPTOMS OF OVEREXPOSURE:**

Silica, Crystalline - Undue breathlessness, wheezing, cough, and sputum production. Long term exposure to silica dust can cause silicosis which is characterized by shortness of breath.

Zirconium Oxide - Chronic overexposure: may damage teeth, cause ulceration of mucous membranes. Acute: Strong irritant coughing, choking, corrosive tissue.

Cadmium Compounds - Overexposure to cadmium by inhalation can result in a metallic taste in the mouth, headache, shortness of breath, chest-pains, weakness, leg pains and fluid in the lungs. These signs and symptoms may be delayed, sometimes occurring four to eight hours following exposure. Kidney and liver damage may also occur. Swallowing can result in severe nausea, vomiting, diarrhea, stomach cramps, salivation, headache, muscle cramps and dizziness. Long term overexposure to the fumes and dust of cadmium have been associated with emphysema, bronchitis and kidney damage. Chronic overexposure to the metal and cadmium compounds, such as cadmium oxide, cadmium sulfide, cadmium sulfate and cadmium chloride, may result in lung cancer, although a definite cause-effect relationship has not been fully established.

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**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Populations at increased risk to cadmium include individuals with kidney disease, genetic differences in induction of metallothionein and dietary deficiencies in metal ions and/or protein.

**SECTION V - EMERGENCY AND FIRST AID PROCEDURES:**

**EYE:** Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

**SKIN:** Remove contaminated clothing, wash thoroughly with soap and water. If irritation occurs, get medical attention.

**INHALATION:** Remove to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

**INGESTION:** If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

Use of this product is regulated by the OSHA Cadmium Standard (29 CFR 1910.1027). The extensive medical surveillance and worker removal provisions of this standard should be consulted. Cadmium and its inorganic compounds are harmful to the kidneys and lungs

**SECTION VI - SPECIAL PROTECTION INFORMATION:**

**RESPIRATORY PROTECTION:** Use NIOSH/OSHA approved respiratory protection where airborne levels exceeds Occupational Exposure Limits. Adequate ventilation should be provided to keep dust and vapor concentrations below acceptable Exposure Limits.

Discharge from the ventilation systems should comply with the applicable air pollution control regulations. Eliminate ignition sources.

If air from exhaust ventilation is recirculated into the workplace, the system shall have a high efficiency filter and be monitored to assure effectiveness in accordance with OSHA Cadmium Standard (29 CFR 1910.1027).

**PERSONAL PROTECTIVE EQUIPMENT:** Wear appropriate gloves and goggles to avoid skin and eye contact. Safety showers and eye stations must be present in work area.

**HANDLING AND STORAGE:** Keep containers closed and dry when not in use. Avoid contact with eyes, skin and clothing.

**OTHER PRECAUTIONS:** Wash thoroughly after handling. No food or beverage should be consumed in work area.

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SECTION VII- PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point - N/A	Solubility in water - Trace
Appearance - red powder	Odor - Odorless
Vapor Pressure (mmHg) - N/A	Specific Gravity - N/A
Vapor Density - N/A	Evaporation Rate - None
Z Volatile by volume - None	

SECTION VIII - REACTIVITY DATA:

Stability - Yes  
Hazardous Polymerization - will not occur.  
Incompatibility - None Known  
Hazard Decomposition Products - N/A

SECTION IX - FIRE AND EXPLOSIVE DATA:

Flash Point - N/A                      Flammable Limits - N/A  
Extinguishing Media - Carbon Dioxide, dry chemical or water spray.  
Special Fire Fighting Procedures - Not a fire hazard. Wear self-contained breathing apparatus when large quantities are involved.  
Unusual Fire and Explosive Hazard - None expected.

SECTION X - SPILL OR LEAK PROCEDURES:

Contain spillage and scoop up or vacuum. Avoid dusting. Put in a appropriate container for disposal. Waste disposal method - Dispose in accordance with Federal, State and Local laws.

**\*\*\*\* DISCLAIMER \*\*\*\***

The information contained in this Material Safety Data Sheet is believed to be accurate and reliable as of this date. The consumer shall make this MSDS available to anyone who uses this product in any way as required by the The Federal OSHA Hazard Communication Standard 1910.1200. Mason Color Works, Inc. accepts no responsibility for the health or safety of any individual who misuses this product by not complying with the manufacturers instructions contained herein.