

*** SECTION I - MANUFACTURER IDENTIFICATION:

Mason Color Works, Inc.
250 East Second Street
East Liverpool, Ohio 43920

Prepared by Carol M. Cronin
Date: August 1995

Phone: (216) 385-4400
Fax: (216) 385-4488

*** SECTION II - IDENTIFICATION OF PRODUCT:

Chemical Family - Inorganic
Product Name - Crimson 6003 (160)
Chemical Abstract Number (CAS) 68187-12-2
Chemical Name - Chrome Tin Pink - Sphene
Chemical Formula - $\text{CaO} \cdot \text{SnO} \cdot \text{SiO}_2 \cdot \text{Cr}_2\text{O}_3$

MATERIAL OR COMPONENT?

This product is a mixture of various metal oxides, salts and some compounds which are interfused by high calcination to form the final product. Therefore, it does not represent each individual component.

*** SECTION III - HAZARDOUS INGREDIENTS IDENTITY / INFORMATION:

Silica, Crystalline Quartz
CAS No. 14808-60-7

Theshold Limit Values:

OSHA - PEL - Exposure to airborne crystalline silica shall not exceed an 8-hour time-weighted average limit as stated in 20 CFR 1910.1000 Table Z-1-A, Air Contaminants, specifically;

Silica, Crystalline Quartz (respirable) 0.1 mg/m^3

ACGIH TLV - TLV-TWA = 0.1 mg/m^3 (respirable dust)

Carcinogenicity: NTP - Yes IARC Monographs - Yes

Tin Oxide
CAS No. 18282-10-5

Theshold Limit Values:

OSHA - PEL - 2 mg/m^3 as Sn (TWA)

ACGIH - TWA - 2 mg/m^3 as Sn

*** SECTION III - CONTINUED...

Chrome Oxide

CAS No. - 51274-00-1

Theshold Limit Values - 0.5 mg/m³ as Cr - 8 hr. TWA (OSHA)
0.5 mg/m³ as Cr - 8 hr. TWA (ACGIH)

Carcinogenicity - Not listed with NTP, IARC or OSHA as a known or suspected carcinogen.

Under OSHA Hazard Communication Rule, 29 CFR 1910.1200, Chromic Oxide is considered hazardous.

*** SECTION IV - SYMPTOMS OF OVEREXPOSURE:

Chrome Oxide - Repeated or prolonged exposure to trivalent compounds may cause delayed effects involving the respiratory system. CAuses skin and eye irritation.

Tin Oxide - No information found on acute overexposure. Chronic exposure to tin oxide fumes or dust may result in Stannosis, a form of Pheumoconiosis.

Silica - Undue breathlessness, wheezing, cough and sputum production. Long-term exposure can cause silicosis.

*** SARA 313

This product contains Chrome oxide and Silica 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.

Section III and Section IV are for individual components that are combined to make this material. Keep in mind that they are blended and calcined together and become a different product. Please refere to Section V and Section VI when using this material.

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

Eye: Flush thoroughly with water for 15 minutes.
Skin: Remove contaminated clothing, wash thoroughly with soap & water.
Inhalation: Remove to fresh air. May give oxygen if needed.
Ingestion: Induce vomiting if conscious.

** If these first aid procedures fail to bring relief, consult physician.

Principal Routes of Entry: Inhalation and Ingestion

Inhalation Health Risks and Symptoms of Exposure: Dust from this product may cause irritation of the respiratory system. Overexposure may cause lung damage.

*** SECTION V CONTINUED...

Skin and Eye Contact: As nuisance dust. Prolonged or repeated contact may cause irritation.

Ingestion: Large amounts may cause irritation of the gastrointestinal tract, nausea, vomiting and diarrhea.

*** SECTION VI - SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respiratory protection where airborne levels exceeds Occupational Exposure Limits.

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.

VENTILATION: Use local exhaust or mechanical such as a dust collector to maintain dust levels below the Occupational Exposure Limits.

HANDLING AND STORING PRECAUTIONS: Keep container closed and dry when not in use. Avoid contact with eyes, skin and clothing.

OTHER PRECAUTIONS: Avoid breathing dust and use with adequate ventilation. Wash thoroughly after handling. No food or beverage should be consumed in work area.

*** SECTION VII - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point - N/A

Solubility in Water - Trace

Appearance & Odor - pink odorless powder

Vapor Pressure (mm Hg) - N/A

Specific Gravity (water=1) - N/A

Vapor Density (air=1) - N/A

% Volatile by Volume - None

Evaporation Rate - None

*** SECTION VIII - REACTIVITY DATA:

Stable - yes

Hazardous Polymerization - will not occur

Incompatibility (materials to avoid) - None

Hazardous 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. Water self-contained breathing apparatus when large quantities are involved.

Unusual Fire and Explosion Hazard - None Expected.

***** SECTION X - SPILL OR LEAK PROCEDURES:**

Contain spillage and scoop up or vacuum. Avoid dusting. Put in an appropriate container for disposal.

Waste disposal method - Dispose in accordance with Federal, State and Local laws.

***** THIS MATERIAL SAFETY DATA SHEET SHOULD BE MADE AVAILABLE BY THE BUYER TO EACH OF BUYER'S PLANT WORKERS. *****

The buyer assumes all risk in connection with the use and handling of the material. The seller assumes no responsibility or liability in connection with the information supplied in this Material Safety Data Sheet or for any damage or injury caused by the material. Reasonable safety procedures should be followed. The seller assumes no responsibility for injury or damage caused by the use of the material even if reasonable safety procedures are followed. The information contained in this Material Safety Data Sheet is developed from what is believed to be accurate and reliable sources but the seller makes no warranties, either expressed or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.