

*** SECTION I - MANUFACTURER IDENTIFICATION: Mason Color Works, Inc.
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 East Liverpool, OH 43920
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 Date Revised: Sept. 1994 Fax: (216) 385-4488

*** SECTION II - IDENTIFICATION OF PRODUCT:

CHEMICAL FAMILY - **INORGANIC PIGMENT** CHEMICAL NAME - **CHROME TIN PINK - SPHENE**
 PRODUCT NAME - **CRIMSON 6004 (161)** CHEMICAL FORMULA - **CaO.SnO.SiO₂:Cr₂O₃**
 CAS NO. - **68187-12-2** CONTAINS MODIFIERS - **yes**

* MATERIAL OR COMPONENT - This product is a mixture of various metal oxides, salts and some compounds, considered to be a nuisance dust, are interfused by high temperature calcination to form the final product which does not represent individual components.

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

<u>INGREDIENT</u>	<u>% Wt.</u>	<u>ACGIH-TWA</u>	<u>OSHA-PEL</u>
TIN OXIDE CAS #18282-10-5	35%-65%	2 mg/m ³ as Sn	2 mg/m ³ as Sn
CALCIUM OXIDE CAS #1305-78-8	10%-40%	2 mg/m ³	5 mg/m ³
SILICA, CRYSTALLINE CAS #14808-60-7	10%-40%	0.1 mg/m ³ as dust	0.1 mg/m ³ as dust
CHROME OXIDE CAS #1308-38-9	1%-20%	0.5 mg/m ³ as Cr	0.5 mg/m ³ as Cr

*** This product contains Chromium 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 IV - SYMPTOMS OF OVEREXPOSURE:**

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

CALCIUM - No acute effects. Long term overexposure to high concentrations of this dust without the use of a dust mask may produce X-Ray evidence of dust in the lungs. If continued, it may affect respiratory function in some individuals.

SILICA - Undue breathlessness, wheezing, cough and sputum production. Long term exposure to silica dust can cause silicosis which is characterized by shortness of breath. **AN OSHA APPROVED DUST MASK SHOULD ALWAYS BE WORN WHERE SILICA DUST IS PROESENT.**

**Crystalline Silica is listed by the International Agency for Research on Cancer (IARC) as 2A: Sufficient evidence in laboratory animals and limited evidence of carcinogenicity in humans. Conclusions were based on long-term exposure to crystalline silica in the stone cutting industry. Studies are in progress to evaluate low-level and sporadic exposure to crystalline silica.

CHROME - OXIDE - Repeated or prolonged exposure to trivalent compounds may cause delayed effects involving the respiratory system. Causes skin and eye irritation.

*** SECTION V - HEALTH HAZARD DATA: For occupational exposure limits see Section III.

EMERGENCY AND FIRST AID PROCEDURES:

EYE - Flush thoroughly with water for 15 minutes.
SKIN - Remove contaminated clothing, wash thoroughly with soap and 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 product may cause irritation of the respiratory system. Overexposure may cause neurological effects.

* 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 approved respiratory protection where airborne levels exceeds appropriate 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 dust collectors 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

APPEARANCE AND ODOR - Odorless
Pink Powder

SPECIFIC GRAVITY (water=1) - N/A

% VOLATILE BY VOLUME - None

SOLUBILITY IN WATER - Trace

VAPOR PRESSURE (mm Hg) - N/A

VAPOR DENSITY (air=1) - N/A

EVAPORATION RATE - None

*** SECTION VIII - REACTIVITY DATA:

STABLE - Yes

HAZARDOUS POLYMERIZATION - will not occur

INCOMPATIBILITY (MATERIALS TO AVOID) - None

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 EXPLOSION HAZARD - None expected.

*** SECTION X - SPILL OR LEAK PROCEDURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OF SPILLED - Contain spill. Pick up the spill 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.

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