

MATERIAL SAFETY DATA SHEET

ZINC IRON CHROMITE

6103,6107,6109,6121,6122,6123,6125,6126,6129,6163,6166

SECTION I - MANUFACTURER IDENTIFICATION:

Mason Color Works, Inc.
250 East 2nd Street / P.O. Box 76
East Liverpool, OH 43920-5076

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 Cronin

Date Prepared: 11/97

SECTION II - IDENTIFICATION OF PRODUCT:

CHEMICAL FAMILY - Inorganic

MASON STAIN
PRODUCT NAMES - *Golden Brown 6103 (303), Dark Golden Brown 6107 (307), Deep Brown 6109 (199), Saturn Orange 6121 (1221), Cedar Brown 6122 (2422), Saddle Brown 6123 (2423), Leather Brown 6125 (225), Hazelnut Brown 6126 (2426), Golden Ambrosia 6129 (297), Terra Cotta 6163 (K-2863) Camel Beige 6166 (K-5466).*

CHEMICAL ABSTRACT NUMBER (CAS) 68186-88-9

CHEMICAL NAME - Chrome Iron Manganese Brown - Spinel

CHEMICAL FORMULA - (Zn,Fe) (Fe,Cr)₂O₄MATERIAL OR COMPOUND?

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, Hazardous Ingredients Identity/Information, and Section IV, Symptoms of Overexposure, 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.

SECTION III – HAZARDOUS INGREDIENTS IDENTITY/INFORMATION:

	<u>ACGIH-TLVs</u>	<u>OSHA PELs</u>	<u>NOISHA RELs</u>
<i>Alumina Oxide</i> – (Al ₂ O ₃) Cas # 1344-28-1	10 mg/m ³ (e)	*15 mg/m ³ **5 mg/m ³ *Total dust, **Respirable dust	N/A
(e) – The value is for particulate matter containing no asbestos and 1% crystalline silica.			
<i>Chrome Oxide</i> – (Cr ₂ O ₃) Cas # 1308-38-9	0.2 mg/m ³ (A4)	0.5 mg/m ³	0.5 mg/m ³
(A4) – Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.			
<i>Iron Oxide</i> – (Fe ₂ O ₃) Cas # 1309-37-1	5 mg/m ³ (A4),(e)	10 mg/m ³	5 mg/m ³
(A4) – Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans and/or animals.			
(e) – The value is for particulate matter containing no asbestos and 1% crystalline silica.			
<i>Zinc Oxide</i> – (ZnO) Cas # 1314-13-2	10 mg/m ³ (e)	*15 mg/m ³ **5 mg/m ³ *Total dust, **Respirable dust	5 mg/m ³
(e) – The value is for particulate matter containing no asbestos and 1% crystalline silica.			

SECTION IV – SYPTOMS OF OVEREXPOSURE:

Alumina Oxide – Acute inhalation overexposure may cause coughing and shortness of breath. Chronic inhalation overexposure may adversely effect breathing capacity. Direct eye contact may cause eye irritation. Shin contact may cause abrasions.

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

Iron Oxide – May cause mechanical skin and eye irritation. Repeated and prolonged exposure to iron oxide may cause benign pneumoconiosis called siderosis.

Zinc Oxide – (Zn) Inhalation of high levels of zinc oxide may result in tightness of chest, metallic taste, cough, dizziness, fever, chills, headache, nausea, and dry throat.

SECTION V – 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 this product may cause irritation of the respiratory system. Overexposure may cause lung damage.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

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

SKIN AND EYE CONTACT:

As nuisance dust. Prolonged or repeated contact may cause irritation.

SECTION V – 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 Storage: Keep containers 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 – Brown Powder

Vapor Pressure (mmHg) – N/A

Vapor Density (air=1) – N/A

%Volatile by volume - None

Solubility in water – Trace

Odor – Odorless

Specific Gravity (water=1) – N/A

Evaporation Rate – None

