

Product Number: 6131

Section 1: Manufacturer Identification

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

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

Section 2: Identification of Product

Chemical Family: Inorganic  
 Product Names: Titanium Iron Brown 6131  
 Chemical Abstract Number (CAS): 68187-02-0  
 Chemical Name: Iron Titanium Brown - Spinel  
 Chemical Formula: Fe<sub>2</sub>TiO<sub>4</sub>

Section 3 & Section 4: Hazardous ingredients Identity/Information and Overexposure Symptoms

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
<b>Iron Oxide (Fe<sub>2</sub>O<sub>3</sub>)</b> Cas # 1309-37-1	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

ACGIH: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of its carcinogenicity in humans/animals. The value is for particulate matter containing no asbestos and 1% crystalline silica.

Symptoms of overexposure:

- Inhalation:** Repeated and prolonged exposure may cause beginnings Pneumoconiosis called Sideordsis.
- Eye Contact:** May cause irritation.
- Skin Contact:** May cause mechanical skin irritation.
- Ingestion:** Expected to be non-toxic.

<b>Titanium Dioxide (TiO<sub>2</sub>)</b> Cas # 13463-67-7	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	0.2 mg/m <sup>3</sup>
---	----------------------	--	-----------------------

Symptoms of overexposure:

- Inhalation:** Inhalation of dust can cause irritation of the nose, throat, and lungs.
- Eye Contact:** Like any foreign body, particles can cause mechanical irritation.
- Skin Contact:** This material can cause irritation if not promptly washed form skin.
- Ingestion:** This material is not expected to produce adverse effects.

Section 5: 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: give large amounts of water to induce vomiting, only in conscious persons.

IF THESE FIRST AID MEASURES FAIL, CONSULT PHYSICIAN!!!!!!!!!!!!!!!!!!!!!!

Principal Routes of Entry:

- Inhalation: Dust from this product may cause irritation of the respiratory system.  
Overexposure may cause lung damage.
- Ingestion: Large amounts may cause irritation of the gastrointestinal tract, nausea, vomiting and diarrhea.
- Skin & Eye: Nuisance dust, prolonged or repeated may cause irritation.

Section 6: Special Protection Information

- Respiratory Protection: Use only NIOSHA/OSHA approved respiratory protection with adequate ventilation; avoid breathing dust. Do not exceed Occupational Exposure Limits. Wash thoroughly after handling. No food or beverage should be consumed in work area.
- Personal Protective Equip: Wear appropriate gloves and goggles to avoid skin and eye contact. Safety showers and eye stations must be present in work stations.
- Ventilation: Use local exhaust or mechanical such as a dust collector to maintain dust levels below Occupational Exposure Limits.

Section 7: Physical and Chemical Characteristics

- |                            |                                 |
|----------------------------|---------------------------------|
| Boiling Point: N/A         | Odor: odorless                  |
| Solubility in water: trace | Specific Gravity (water=1): N/A |
| Vapor Pressure (mmHg): N/A | Evaporation rate: None          |
| Vapor Density (air=1): N/A | % Volatile by volume: None      |
| Appearance: brown powder   |                                 |

Section 8: Reactivity Data

- Stability: Stable
- Hazardous Polymerization: will not occur
- Incompatibility: None
- Hazard Decomposition of product: N/A

Section 9: Fire and Explosive Data

- Flash point: N/A
- Flammable Limits: None
- Unusual Fire and Explosion Hazard: None expected
- Extinguishing Media: Carbon dioxide, dry chemical or water
- Special Fire Fighting Procedures: Wear self contained breathing apparatus when large quantities involved.

Section 10: Spill or Leak Procedures:

- Contain spillage and scoop or vacuum. Avoid making dust, put in appropriate container for disposal.
- Waste disposal method in accordance with Federal, State and Local Laws.

*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.*

\*\*\*\*\*Attention All Retailers of Mason Stains\*\*\*\*\*

*ALL retailers of this product are REQUIRED by law to supply their customers with a copy of this material safety data sheet with initial purchase.*

**\*\*\*SARA 313**

This product contains certain oxides and compounds which are subject to 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.

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. DO NOT THROW AWAY! MATERIAL SAFETY DATA SHEETS ARE REQUIRED FOR FIRST SHIPMENT, AND WILL BE SENT AGAIN WHEN REVISED UPON YOUR NEXT ORDER OF PRODUCT OR BY REQUEST.**

**DISCLAMER**

*Mason Color Works, Inc. believes the information contained in this material safety data sheet is believed to be accurate and reliable as of the date of publication or revision but makes no warranty that it is. This information provided should be made available as required by the Federal OSHA Hazard Communication Standard 1910.1200 to ANYONE who handles, uses, stores, transports or will otherwise be exposed to this product. Mason Color Works, Inc. Accepts no Responsibility for the health or safety of any individual who misuses this product by not complying with manufacturer's instructions contained herein or additional /other measures that may be required under particular conditions.*

Last issued: 11/97  
Updated : 3/2000