Material Safety Data Sheet

Product Number: 6600

SECTION 1: Manufacturer Identification

Mason Color Works, Inc.
250 East 2nd Street/P.O. Box 78
East Liverpool, OH 43920-5076

Phone: (330) 386-4400
Fax: (330) 385-4486

HMIS Classification:

<table>
<thead>
<tr>
<th></th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2*</td>
<td>0</td>
<td>0</td>
<td>See Section 6</td>
</tr>
</tbody>
</table>

*indicates possible chronic health effects.

SECTION 2: Identification of Product

Chemical Family: Inorganic
Product Names: Black 6600
Chemical Abstract Number (CAS) 67188-97-0
Chemical Name: Cobalt Chromite Black - Spinel
Chemical Formula: (Co,Fe)(Fe,Cr)₂O₄

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

<table>
<thead>
<tr>
<th></th>
<th>ACGIH-TLVs</th>
<th>OSHA PELs</th>
<th>NOISHA RELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chrome Oxide (Cr₂O₃)</td>
<td>0.5 mg/m³</td>
<td>0.5 mg/m³</td>
<td>0.5 mg/m³</td>
</tr>
<tr>
<td>Cas # 1308-38-9</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

ACGIH: Not classifiable as a human carcinogen: Inadequate data on which to classify the agent in terms of carcinogenicity in humans/animals.

SYMPTOMS OF OVEREXPOSURE:

Inhalation: Repeated prolonged exposure to trivalent compounds may cause delayed effects involving the respiratory system.
Eye Contact: Mechanical irritation to the eye may occur such as watering, reddening due to exposure to fines.
Skin Contact: Expected to be non-irritating.

Ingestion: Considered to be non-irritating, non-toxic if swallowed.

<table>
<thead>
<tr>
<th></th>
<th>ACGIH-TLVs</th>
<th>OSHA PELs</th>
<th>NOISHA RELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cobalt Oxide (Co₃O₄)</td>
<td>0.02 mg/m³</td>
<td>0.5 mg/m³</td>
<td>N/A</td>
</tr>
<tr>
<td>Cas # 1308-06-1</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

ACGIH: Animal carcinogen: Agent is carcinogenic in experimental animals at dose levels, by route(s) of administration at site, or histologic type, or by mechanism considered relevant to workers exposure. Available epidemiologic studies do not confirm an increased risk of cancer in humans except under common levels of exposure.
SYMPTOMS OF OVEREXPOSURE:

**Inhalation:** Prolonged inhalation of dust or metal dust, and fume or mist containing cobalt may cause serious respiratory illness. May cause an irritation of respiratory organs of sensitive persons resulting in obstruction of airways with shortness of breath.

**Eye Contact:** May cause serious eye irritation.

**Skin Contact:** Prolonged exposure may produce irritation.

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

<table>
<thead>
<tr>
<th>Iron Oxide (Fe2O3)</th>
<th>ACGIH-TLVs</th>
<th>OSHA PELs</th>
<th>NOISHA RELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 mg/m³</td>
<td>10 mg/m³</td>
<td>5 mg/m³</td>
<td></td>
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</table>

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 a particulate matter containing no asbestos and 1% crystalline silica.

SYMPTOMS OF OVEREXPOSURE:

**Inhalation:** Repeated and prolonged exposure may cause beginnings Pneumoconiosis called Silicosis.

**Eye Contact:** May cause irritation.

**Skin Contact:** May cause mechanical skin irritation.

**Ingestion:** Expected to be non-toxic.

<table>
<thead>
<tr>
<th>Nickel Oxide (NiO)</th>
<th>ACGIH-TLVs</th>
<th>OSHA PELs</th>
<th>NOISHA RELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2 mg/m³</td>
<td>1 mg/m³</td>
<td>0.015 mg/m³</td>
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</tr>
</tbody>
</table>

ACGIH: Inhalable fraction, the concentration of inhalable particulate for application of this TLV is to be determined from the fraction passing a size-selector with characteristics defined in (A1). (A1) - Confirmed human carcinogen: Agent is carcinogenic to humans based on epidemiologic studies of, or convincing clinical evidence, in exposed humans. (Ca) Carcinogen.

SYMPTOMS OF OVEREXPOSURE:

**Inhalation:** Primary enters through inhalation of dust.

**Eye Contact:** May cause irritation in eyes and mucous membranes.

**Skin contact:** may irritate skin, can cause "Nickel Itch" in sensitive persons.

**Ingestion:** Low order of acute toxicity. May cause gastro-intestinal disorders.

**SECTION 6: 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 A 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 NIOSH/OSHA approved respiratory protection with adequate ventilation; avoid breathing dust. Do not exceed Occupational Exposure Limit. 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
Solubility in water: trace
Vapor Pressure (mmHg): N/A
Vapor Density (air=1): N/A
Appearance: Odor: Odorless
Specific Gravity (water=1): N/A
Evaporation rate: None
% Volatile by volume: None

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
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 calcinations to form the finished product. Section 3, Hazardous ingredients/Information, and Section 4, Symptoms of Overexposure, pertain to individual components. Section 5 through Section 10 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
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 MSDS 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! MSDS'S ARE REQUIRED FOR FIRST SHIPMENT, AND WILL BE SENT AGAIN WHEN REVISED UPON YOUR NEXT ORDER OF PRODUCT OR BY REQUEST.

Disclaimer