

Material Safety Data Sheet

Product Number 6234, 6371, 6398

Date Prepared: May 2003

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SECTION 1: Manufacturer Identification

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

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HMIS Classification:

Health	2*
Flammability	0
Reactivity	0
Personal Protection	See Section 6

*Indicates possible chronic health effects

SECTION 2: Identification of Product

Chemical Family Inorganic
Product Names: Myrtle Green 6234, Dark Teal Blue 6371, Deep Peacock 6398
Chemical Abstrad Number(CAS) 68187-49-5
Chemical Name: Cobalt Chromite - Spinel
Chemical Formula $CoCr_2O_4$

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

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
Alumina Oxide (Al_2O_3)	10 mg/mg ³ (total)	15 mg/m ³ (total)	N/A
Cas # 1344-28-1		5 mg/m ³ (respirable)	

ACGIH The value for particulate matter containing no asbestos and 1 % crystalline silica

SYMPTOMS OF OVEREXPOSURE

Inhalation: Acute may cause coughing and shortness of breath. Chronic may adversely effect breathing capacity

Eye Contact: Direct contact may cause irritation.

Skin contact: May cause abrasions.

Ingestion: May cause irritation

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
Chrome Oxide (Cr_2O_3)	0.5 mg/m ³	0.5 mg/m ³	0.5 mg/m
Cas # 1313-13-2			

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 do to exposure to fines

Skin Contact: Expected to be non irritating

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

	ACGIH-TLVs	OSHA PELs	NIOSH RELs
Cobalt Oxide (Co₃O₄) Cas # 1396-06-1	0.02 mg/m ³	0.5 mg/m ³	N/A

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.

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 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 NIOSHA/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

Flammable Limits

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 Identity/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