

5140

MATERIAL SAFETY DATA SHEET

COBALT ALUMINATE BLUE

6310,6363

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

PRODUCT NAMES - **MASON STAIN**
Wedgewood Blue 6310 (10), Sky Blue 6363 (K-3137)

CHEMICAL ABSTRACT NUMBER (CAS) 68186-86-7

CHEMICAL NAME - Cobalt Alumina Blue - Spinel

CHEMICAL FORMULA - $CoAl_2O_4$

MATERIAL 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:

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
Silica, Crystalline - (SiO ₂) Cas # 14808-60-7	0.1 mg/m ³ (j)	30 mg/m ³ * %SiO ₂ 1 2 250 mppcf** or 10 mg/m ³ %SiO ₂ 1 5 %SiO ₂ 1 2 *Total dust **Respirable dust	0.05 mg/m ³ * (Ca) *Respirable dust
(j) - Respirable dust The concentration of respirable particulate for the application of TLV is to be determined from the fraction passing a size selector.			
(Ca) - Carcinogen			
Alumina Oxide - (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.			
Cobalt Oxide - (Co ₃ O ₄) Cas # 1396-06-1	0.02 mg Co mg/m ³ (A3)	0.05 mg/m ³	N/A
(A3) - Animal Carcinogen: Agent is carcinogenic in experimental animals at dose levels, by route (s) of administration at site, of histologic type, or by mechanism considered relevant to worker exposure. Available epidemiologis studies do not confirm and increased risk of cancer in humans except under common levels of exposure.			

SECTION IV - SYPTOMS OF OVEREXPOSURE:

Silica, Crystalline - Undue breathlessness, wheezing, cough, and sputum production. Long term exposure to silica dust can cause silicosis which is characterized by shortness of breath.

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.

Cobalt Oxide - Prolonged inhalation of cobalt dust or metal dust, fume or mist containing cobalt may cause serious respiratory illness. Inhalation may cause an irritation of respiratory organs of sensitive persons resulting in obstruction of airways with shortness of breath. May cause serious eye irritation. Prolonged exposure to skin may produce irritation.

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	Solubility in water – Trace
Appearance – Blue Powder	Odor – Odorless
Vapor Pressure (mmHg) – N/A	Specific Gravity (water=1) – N/A
Vapor Density (air=1) – N/A	Evaporation Rate – None
%Volatile by volume - None	

