



## SECTION 5: Fire-fighting measures

- **Recommended extinguishers:** Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.
- **Extinguishers not to be used:** None in particular.
- **Risks arising from combustion:** Avoid inhaling the fumes.
- **Protective equipment:** Use protection for the respiratory tract.

## SECTION 6: Accidental release measures

- **Measures for personal safety:** Use gloves and protective clothing. In the event of particulates aerosols use respiratory protection.
- **Environmental measures:** . Keep away from drains, surface- and ground-water and soil
- **Cleaning methods:** Limit leakages with earth or sand. If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities. Remove the waste materials with a suitable device (for instance a suction pump) and dispose. After the product has been recovered, rinse the area and materials involved with water.

## SECTION 7: Handling and storage

- **Handling precautions:** Wear suitable gloves, glasses and face protection. Avoid contact and inhalation of the vapours/powders. Do not eat or drink while working.
- **Incompatible materials:** None in particular.
- **Storage conditions:** Always keep the containers tightly closed.
- **Instructions as regards storage premises:** Adequately ventilated premises.

## SECTION 8: Exposure controls / personal protection

	ACGIH-TLVs	OSHA PELs	NOISHA RELs
Zirconium Compounds (as Zr)	10 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (Respirable)	15 mg/m <sup>3</sup> (total) 5 mg/m <sup>3</sup> (respirable)	5 mg/m <sup>3</sup> 15 min. C
Silica, Crystalline (SiO <sub>2</sub> )	0.1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>

- **Precautionary measures:** Give adequate ventilation to the premises where the product is stored and/or handled.
- **Respiratory protection:** Use suitable respiratory protection.
- **Protection for hands:** Not needed for normal use.
- **Eye protection:** Not needed for normal use.
- **Protection for skin:** No special precaution must be adopted for normal use.

## SECTION 9: Physical and chemical properties

Appearance/form	YELLOW/POWDER
Odor	None
SPECIFIC GRAVITY	4.47
pH	5.2
Melting point/freezing point	>1000c
Initial boiling point and boiling range	NA
Flash point	NA
Evaporation rate	NA
Flammability (solid, gas)	none
Upper/lower flammability limits	NA
Upper/lower explosive limits	NA
Vapor pressure	NA
Vapor density	NA
Relative density	NA
Solubility(ies)	insoluble
Partition coefficient: n-octanol/water	NA
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity	NA
Explosive properties	none
Oxidizing properties	none

## SECTION 10: Stability and reactivity

<b>Chemical stability</b>	STABLE
<b>Possibility of hazardous reactions</b>	WILL NOT OCCUR
<b>Incompatible materials</b>	NONE
<b>Hazardous decomposition products</b>	N/A

## SECTION 11: Toxicological information

<b>ORAL</b>	LD50 (male and female rats) > 2200 mg/kg bw
<b>INHALATION</b>	LC50 (male and female rats; 4 hours) > 5.5 mg/L
<b>SKIN</b>	N/A
NON IRRITATING TO THE SKIN	
NON IRRITATING TO THE EYES	

THIS PIGMENT IS NOT LISTED IN THE NATIONAL TOXICOLOGY PROGRAM (NTP) REPORT ON CARCINOGENS.  
IT IS NOT LISTED AS A POTENTIAL CARCINOGEN IN THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER(IARC) MONOGRAPHS.  
IT IS NOT FOUND TO BE A CARCINOGEN BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION(OSHA)

## SECTION 12: Ecological information

<b>ECOTOXICITY</b>	NO DATA
<b>DEGRADABILITY</b>	NO DATA
<b>MOBILITY</b>	NO DATA
<b>BIOACCUMULATIVE</b>	NO DATA

## SECTION 13: Disposal considerations

<b>Disposal of the product</b>	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.
<b>Disposal of contaminated packaging</b>	Dispose of as unused product.
<b>Waste treatment</b>	MUST BE PROCESSED THROUGH IN-HOUSE TREATMENT
<b>Sewage disposal</b>	AVOID CITY DRAINS

## SECTION 14: Transport information

14.1 UN Number	None
14.2 UN Proper Shipping Name	None
14.3 Transport hazard class(es)	None
14.4 Packing group	None
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None

## SECTION 15: Regulatory information

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 SDS 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! SDS'S ARE REQUIRED FOR FIRST SHIPMENT, AND WILL BE SENT AGAIN WHEN REVISED UPON YOUR NEXT ORDER OF PRODUCT OR BY REQUEST.**

Disclaimer

## SECTION 16: REFERENCE INFORMATION

CPMA CLASSIFICATION AND CHEMICAL DESCRIPTIONS OF THE COMPLEX INORGANIC COLOR PIGMENTS  
Fourth Edition - January 2013 Update

<https://www.osha.gov/index.html>

<http://chem.sis.nlm.nih.gov/chemidplus>

*13th Report on Carcinogens* on October 2, 2014.

<http://monographs.iarc.fr/ENG/Classification/index.php>

