

MATERIAL SAFETY DATA SHEET



Prism Pigments
 A Division on Mix Manufacturing, Inc.
 1251 Arundel Street
 St. Paul, MN 55117

1. IDENTIFICATION

Trade name(s): Prism Pigments Iron Oxide Colors
Chemical name(s): Blend of Hydrated and Unhydrated Iron Oxide
Synonyms: Synthetic Iron Oxides, Iron Oxide Pigment
Chemical formula: Mixture
MSDS #:
CAS:
UN:

Manufacturer: Prism Pigments
 1251 Arundel Street
 St Paul, MN 55117

Telephone Number: (651)488-4250
Facsimile number: (651)488-6091

Supplier:

Telephone Number:
Facsimile number:

Emergency Number:	Poison Control Center	1-800-222-1222
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2. HAZARDOUS INGREDIENTS

May contain one or more of the following:

<i>Name</i>	<i>CAS #</i>	<i>% by weight</i>
Silicon Dioxide	7631-86-9	Less than 4%
Crystalline Silica	14808-60-7	Less than 4%
Maganite	1317-34-6	Less than 4%

MATERIAL SAFETY DATA SHEET**3. HAZARDS IDENTIFICATION**

Physical state & appearance	Solid powder Odorless
Potential Acute Health Effects	
Eyes	Contact may cause mechanical abrasion irritation.
Skin	Contact may cause mechanical abrasion irritation.
Inhalation	Inhalation on the dust may cause mechanical irritation to the respiratory tract.
Ingestion	Unknown.
Potential Chronic Health Effects	Prolonged exposure of amorphous silica may produce x-ray changes in the lungs without disability.

4. FIRST AID MEASURES

Product inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Contact a physician.
Product in eye	Flush thoroughly with large amounts of water for at least fifteen minutes. If irritation persists consult a physician.
Product ingestion	Consume large amounts of water, induce vomiting and consult a physician.
Product on skin	Wash skin with soap and water.
Advice to physicians	Iron oxide is not known to produce any harmful effects if inhaled and if ingested it is not known to be fatal.

5. FIRE-FIGHTING MEASURES

Auto-ignition temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Fire-fighting Media	Material is not Combustible. Use extinguishing media suitable for other combustible materials in the area.
Protective Clothing	Fire fighters should be equipped with self-contained breathing apparatus. Under fire conditions irritating and/or toxic aerosol or gases may be present.
Hazards	N/A

6. ACCIDENTAL RELEASE MEASURES

Personal protection	See section #8 Personal Protection / Exposure Controls
Spillage	Vacuum or scoop up spilled material and dispose of in appropriate waste container. Misting spill with water may help to keep airborne dust levels at a minimum. If dust is generated, use appropriate respiratory protection.
Waste Disposal	Waste material can be buried in an approved landfill in accordance with Federal, State, and Local environmental regulations. According to 40 CFR, Part 261 of the Resource, Conservation and Recovery Act (RCRA), this product is not classified as a hazardous material.

MATERIAL SAFETY DATA SHEET**7. HANDLING AND STORAGE**

Handling	Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly after handling.
Storage	Store dry at ambient temperature away from food and beverages. Do not store near strong oxidizers, sources of heat, or near flammable or combustible materials.

8. PERSONAL PROTECTION / EXPOSURE CONTROLS**Engineering Control Measures****Personal Protection**

Eyes	Safety glasses with side shields or goggles
Ventilation	Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
Respiratory	NIOSH approved for dusts and mists. Do not exceed use limits of the respirator.
Hands	Rubber, cloth, or plastic gloves if appropriate for job conditions.
Other	Eye wash stations and washing facilities should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid Powder
Odour	Odorless
Molecular Mass	N/A
pH	5 – 9 at 50 g/l water in aqueous suspension.
Boiling Point/range	N/A
Melting Point/range	Greater than 1832 degrees F (1000 degrees C)
Flash Point	N/A
Flammable Limits	N/A
Explosive Properties	N/A
Vapour Pressure	N/A
Relative Vapour Density (air = 1)	N/A
Odour Threshold	Odorless
Specific Gravity	Approx. 4 – 5 at 68 degrees F (20 Degrees C)
Solubility – water	Essentially Insoluble
Viscosity	N/A

10. STABILITY AND REACTIVITY

Stability & Reactivity	This is a stable material.
Conditions to Avoid	At temperatures greater than 176F (80C) this product can become unstable and slowly autooxidize into Fe2O3.
Incompatible Materials	None known.
Hazardous Decomposition Products	None known
Hazardous Polymerisation	Will not occur.

MATERIAL SAFETY DATA SHEET**11. TOXICOLOGICAL INFORMATION****Acute Animal Toxicity****Oral** Greater than 5000mg/kg (Rat)**Dermal** Data not established for product.**Inhalation** Data not established for product.**Chronic Effects** Data not established for product.**Other Information****12. ECOLOGICAL INFORMATION****Ecotoxicity** Not available**BOD5 & COD** Not available**Biodegradation** Not available**Bioaccumulation** Not available**Mobility** Not available**13. DISPOSAL CONSIDERATIONS****Disposal methods** Material that cannot be recycled into your process should be landfilled in accordance with federal, state, and local environmental control regulation.**14. TRANSPORT INFORMATION****Technical shipping name** Inorganic oxide**Freight class bulk** Iron oxide, NOI**Freight class package** Iron oxide, NOI**Product Label** Code number**DOT shipping name** None**DOT hazard class** Non-Regulated**UN/NA Number** None**Product RQ (lbs)** None**DOT Label** Non-Regulated**DOT placard** Non-Regulated**IMO/IMDG code (Ocean)** Non-Regulated**ICAO/IATA code (Air)** Non-Regulated**IATA – Subsidiary Risk(s)** Not available**Tremcard No.** Non-regulated material

MATERIAL SAFETY DATA SHEET**15. OTHER INFORMATION***Version 1.0**Preparation date 10/10/01***EXCLUSION OF LIABILITY**

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