

Bomanite Integral Color



Material Safety Data Sheet

The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

Health: 0
Flammability: 0
Reactivity: 0
Personal Protection See VI
Equipment:

Emergency Telephone Number:
Chemtrec: (800) 424-9300

Notice: The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

I. IDENTIFICATION

Product Name: Bomanite Integral Colors
Synonymous: Pure Synth, iron oxide
Chemical Family: Inorganic oxide
Chemical Formula: Proprietary
D.O.T. Hazard Class: Mixture of Fe₂O₃ and Fe₃O₄
Appearance & Odor: Odorless powder, various colors.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

| Composition | % | OSHA PEL | ACGIH TLV | CAS NO. |
|--------------------|----------|-----------------|------------------|----------------|
| Synth oxide | N/A | Sec 8 | Sec 8 | 1309-37-1 |

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 4.60
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Solubility In Water: Insoluble

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: N/A
Flammable Limits: N/A
Firefighting Media: Dry chemical water spray, form CO₂
Special Firefighting Procedure: Exposure to excessive heat greater than 131 °F (55 °C) can cause this product to become unstable and slowly auto oxidize from Fe₃O₄ to Fe₂O₃, which generates additional heat. Under certain conditions the heat may be sufficient to cause combustible materials to ignite.
Unusual Fire Hazards: None
Reactivity: Stable

Incompatibilities: None
Decomposition or Byproducts: None
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: Yes
Skin Contact: No
Ingestion: Yes

Carcinogenicity: NTP? No IARC? No OSHA? No

Health Effect: TIV for nuisance particulate is 10 mg/m³ total dust, 5 mg/m³ respirable dust.
Skin Contact: No irritation at 500 mg/rabbit Id greater than 100 g/kg rat effects to eye no irritation at 50 mg/rabbit.

Aggravated Medical Conditions: Excessive exposure to airborne dust will result in effect similar to that of nuisance type dust that its particulate may reduce visibility and/or cause unpleasant deposits in the eyes, ears and nose. Injury to the skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleaning.

Emergency and First Aid Procedures

Inhalation: N/A
Skin Contact: Wash with soap and water
Eye Contact: Flush with large amount of water, consult an eye physician.
Ingestion: N/A

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Scoop up some means and place in waste container.

Waste Disposal: Material can be buried in an approved landfill or handled as inert waste in accordance with Federal, State and Local environmental control regulations.

Precautions for Safe Handling And Storage: Material can be handled as a normal solid waste.

Other Precautions: N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator: Dust mast should be worn.

Ventilation: Remove airborne dust.

Special: N/A

Protective Gloves: Rubber, cloth or plastic gloves.

Eye Protection: Safety glasses

Other Protective
Clothing Required: N/A

Work/Hygiene Practices

Don't store near food or drink. Wash exposed skin for hygiene purposes.

VIII. SPECIAL PRECAUTIONS

Store dry at ambient temperature away from food and drink.

Iron oxide fumes: 10mg/m³
Respirable Dust: 5 mg/m³

IX. TECHNICAL DATA

| | |
|---|---------|
| Fe ₂ O ₃ : | 88-90% |
| Oil Absorption: | 32 |
| Specific Gravity: | 4.23 |
| Water Soluble Salts: | 0.5 |
| Loss on Ignition: | 5.0 |
| SiO ₂ + Al ₂ O ₃ : | 5-7 |
| pH: | 4.5-5.0 |
| Residue on 325 mesh | |
| Screen: | 0.05 |