



## Safety Data Sheet - TotalBoat Razzo Black Pigment

### 1 – PRODUCT IDENTIFICATION

**Product Name:** TotalBoat Razzo Black Pigment

**Product Number:** TB-1298

**Product Use:** Coloring agents, Pigments

**DATE PREPARED:** 04/24/2015

**DISTRIBUTOR:** TOTALBOAT LLC

17 Peckham Drive, Bristol, RI 02809

(800) 497-0010

**EMERGENCY PHONE:** (800) 535-5053 (INFOTRAC)

### 2 – HAZARDS IDENTIFICATION

**Classification of the chemical in accordance with Standard 29 CFR 1910.1200 (US-GHS)**

Not classified

**Label Elements (Hazard Communication Standard 29 CFR 1910.1200 (US-GHS))**

**Signal Word:** **None: Non Hazardous**

**GHS Pictogram(s)**

**Precautionary Statement:** not classified

**GHS Health Classification:** Health Hazards Not Otherwise Classified (1)

**GHS Physical Classification:** Hazards Not Otherwise Classified (1)

**GHS Environmental Class:** Not Classified

**EU Statement:** not classified

### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
Triiron tetraoxide (Pigment Black 11, CI 77499)	1317-61-9	100%

**Substance/Mixture:** Substance

**Synonym:** BLACK IRON OXIDE



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### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**In case of inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

**In case of skin contact:** In case of skin contact, wash thoroughly with soap and water.

**In case of eye:** Immediately flush eyes with plenty of water for at least minutes. Remove contact lenses. If present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice.

**In case of ingestion:** Rinse mouth. Do not induce vomiting unless directed to do so by a physician. If you feel unwell, seek medical attention.

**Most important symptoms/effects both acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically and supportively

### 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:** Suitable Extinguished Media: Foam, water spray, dry chemical powder, carbon dioxide or sand. Unsuitable Extinguished Media: Do not use a heavy water stream.

**Flash point:** Not applicable.

**Auto ignition temperature:** Not applicable

**Specific protective equipment and procedures for firefighters:** Wear self contained breathing apparatus and protective clothing

**Specific chemical hazards:**

### 6 – ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Do not allow to enter surface water or drains. Ensure waste is collected and contained.

**Methods for cleanup:** On land sweep or shovel into suitable containers for disposal recovery. Minimize generation of dust.

### 7 – HANDLING and STORAGE

**Storage:** Storage temperature: 0-40 °C (104 °F). Keep only in the original container in cool, dry and well-ventilated places away from ignition sources and sparks. Keep container closed when not in use.

**Handling:** Avoid breathing dust. Wash thoroughly after handling. Keep container tightly closed.

Wear appropriate personal protective equipment as specified in Section 8.

Technical protective measures: Provide adequate ventilation to minimize dust and/or vapor concentrations.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational exposure limits

##### ACGIH TLV

Total dust: 10 mg/m<sup>3</sup> as Fe (8h)

Respirable: 5 mg/m<sup>3</sup> as Fe (8h)

##### OSHA PEL

Fumes: 10 mg/m<sup>3</sup> (8h)

Respirable dust: 5 mg/m<sup>3</sup> (8h)

##### NIOSH REL

5 mg/m<sup>3</sup> as Fe (dust and fumes)



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**Appropriate engineering controls:** If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

**Personal Protective Equipment**

**Respiratory Protection:** Dust mask required in dusty environments or exceeding total dust limits

**Eye/Face protection:** Wear appropriate chemical safety glasses/goggles.

**Hand/Skin Protection:** Wear appropriate protective gloves and clothing.

**General Hygiene Considerations:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** Black fine powder

**Physical State:** solid

**Color:** black

**Odor:** Odorless

**pH:** 4 – 8 [ASTM D-1208-78]

**Melting Point:** > 1000 °C

**Boiling Point:** Not applicable. Not applicable.

**Flash point:** Not applicable.

**Flammability (solid,gas):** No specific fire or explosion hazard.

**Explosive Properties:** Not explosive

**Vapor Pressure:** Not applicable

**Vapor Density (AIR=1):** Not applicable

**Density:** 4 – 5 g/cm<sup>3</sup> [ASTM D-153-84] (water=1)

**Solubility in water:** Insoluble

**Partition Coefficient (n-octanol/water):** NOT APPLICABLE

**Auto-ignition temperature:** Not applicable

**Viscosity:** Not applicable

### 10 – STABILITY and REACTIVITY

**Reactivity:** No hazardous reaction known under normal conditions of use

**Chemical Stability:** Stable under normal conditions

**Hazardous Reactions:** Stable under normal conditions

**Conditions to avoid:** Excessive exposure to temperatures above 80°C (176°F) may cause this product oxidize to Fe<sub>2</sub>O<sub>3</sub>. Under certain conditions, this may cause combustion of nearby materials. Keep away from heat/hot surface.

**Incompatible materials:** Strong acids and bases

**Hazardous Decomposition:** Normal under normal conditions.

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None

**Acute Oral Toxicity:** LD50 oral, rat: > 5000 mg/kg

**Acute Inhalation Toxicity:**

**Chronic Toxicity:** Based on available data, the classification criteria are not met

**Irritation:** Non-irritant

**Sensitization:** Non-sensitizing

**Mutagenicity:** Non-mutagenic

**Carcinogenicity:** No human carcinogen. No human carcinogen.

**Reproductive toxicity:** No known significant effects or critical hazards on reproduction.

**Aspiration hazard:** Not applicable



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### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Based on available data, the classification criteria are not met

LC50 (Fish 96 h) : > 32000 mg/L

**Persistence and degradability:** Not applicable (Inorganic substance)

**Bioaccumulative potential:** Not applicable

**Mobility in soil:** Not applicable

**Results of PBT and vPvB assessment:** The substance does not meet the criteria to be identified as PBT or vPvB

### 13 –DISPOSAL CONSIDERATIONS

**Disposal considerations:** Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment.

It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

### 14 – TRANSPORTATION INFORMATION

**DOT:** Not regulated, not dangerous good.

**Transport by sea (IMO / IMDG):** Not regulated. Not dangerous good

**Air transport (ICAO / IATA):** Not regulated. Not dangerous good

### 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**US Federal Regulations**

**TSCA Status:** CAS # 1317-61-9 is listed on TSCA Inventory

**SECTION 302:** None

**SECTION 312**

**Acute:** None

**Chronic:** None

**Fire:** None

**Pressure:** none

**Reactive:** None

**SARA 313:** none

**Clean Water Act:** not applicable

**FDA:** Black Iron Oxide is cleared in 21 CFR:

*Part 178 under §178.3297 (Colorants for polymers)*

*Part 177 under §177.2600 (Colorants in Rubber Articles intended for repeated Use)*

*Part 177 under §177.1210 (Closures with sealing gaskets for food containers)*

*Part 175 under §175.300 (Resinous and polymeric coatings)*

**US State Regulations**



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Black Iron Oxides do not appear on the following state Right-To-Know Lists:

*California Proposition 65*

*Florida Hazardous Substances List*

*Massachusetts Substance List*

*Michigan Critical Materials Register*

*Minnesota Hazardous Substances List*

*New Jersey Hazardous Substance List*

*Pennsylvania Hazardous Substance List*

### International regulations

#### Canada

DSL (*Canadian Environmental Protection Act, Domestic Substances List*): included

#### European Union

REACH (*Regulation (EC) No 1907/2006*): registered substance, REACH no: 01-2119457646-28

EINECS (*European Inventory of Existing Commercial Chemical Substances*): 215-277-5

CLP (*Regulation (EC) No 1272/2008*): Black Iron Oxide is not classified as hazardous substance

## 16 – OTHER INFORMATION

**Additional Information:** This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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