Section 1  Product Description

Product Name: Dynamic Color Solutions Black Iron Oxide
Recommended Use: Coloration/pigmentation of concrete products, Foundry applications
Synonyms: Ferric Oxide, Iron Oxide, Black Ox
Distributor  Dynamic Color Solutions
2024 S. Lenox, Milwaukee, WI 53217
(800) 657-0737

Chemical Information: (800) 657-0737 (8:00 AM - 4:30 PM (CT) M-F)
Revision Date: 5/1/15

Section 2  Hazard Information

Label Elements

Physical Hazards: Not classified.  Hazard Symbol: None.
Health Hazards: Not classified.  Signal Word: None.
Environmental Hazards: Not classified.  Hazard Statement: The substance does not meet the criteria for classification
OSHA Defined Hazards: Not classified.  Precautionary Statement
Prevention: Observe good industrial hygiene practices.
Response: Wash hands after handling.
Storage: Store away from incompatible materials.
Disposal: Dispose of waste and residues in accordance with local authority requirements.

Section 3  Composition / Information on Ingredients

Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Iron Oxide</td>
<td>1317-61-9</td>
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Impurities

<table>
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<tr>
<th>Chemical Name</th>
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<th>%</th>
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</thead>
<tbody>
<tr>
<td>Silica, Crystalline (Quartz)</td>
<td>14808-60-7</td>
<td>0 - 2.5</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Section 4 First Aid Measures

Inhalation: If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5 Firefighting Procedures

Extinguishing Media: Use foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breather apparatus.

Fire and/or Explosion Hazards: N/A

Hazardous Combustion Products: None

Section 6 Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Avoid the generation of dusts during clean-up. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area.

Environmental Precautions: Avoid runoff into storm sewers and ditches that lead to waterways. Do not flush spill to drain. Prevent the spread of any spill to minimize harm to human health and the environmental if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Gather and store in a sealed container pending a waste disposal evaluation.

Section 7 Handling and Storage

Handling: Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid creating and inhaling dust.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep container tightly closed in a cool, well-ventilated place.

Storage Code: Green—general chemical storage.
Section 9
Physical Data

- **Formula:** Fe₂O₃
- **Evaporation Rate (BuAc=1):** N/A
- **Odor:** No data available
- **Vapor Density (Air=1):** N/A
- **Odor Threshold:** No data available
- **Specific Gravity:** Varies
- **pH:** N/A
- **Solubility in Water:** No data available
- **Melting Point:** Not Available
- **Log Pow (calculated):** No data available
- **Boiling Point:** No data available
- **Autoignition Temperature:** No data available
- **Flash Point:** No data available
- **Decomposition Temperature:** No data available
- **Flammable Limits in Air:** N/A - N/A
- **Viscosity:** No data available
- **Vapor Pressure:** N/A
- **Percent Volatile by Volume:** N/A

Section 10
Reactivity Data

- **Reactivity:** No data available
- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** None known
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** No hazardous decomposition products are known
- **Hazardous Polymerization:** Will not occur
## Section 11: Toxicity Data

### Routes of Entry:
Inhalation and ingestion

### Symptoms (Acute):
N/A

### Delayed Effects:
No data available

### Acute Toxicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
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</thead>
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### Carcinogenicity:

<table>
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<th>Chemical Name</th>
<th>CAS Number</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
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<tbody>
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<td>1309-37-1</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

#### IARC Monographs. Overall Evaluation of Carcinogenicity

- SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7): 1 Carcinogenic to humans

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

#### U.S. National Toxicology Program (NTP) Report on Carcinogens

- SILICA, CRYSTALLINE (QUARTZ) (CAS 14808-60-7): Known To Be Human Carcinogen

### Chronic Effects:

- Mutagenicity: No evidence of a mutagenic effect.
- Teratogenicity: No evidence of a teratogenic effect (birth defect)
- Sensitization: No evidence of a sensitization effect.
- Reproductive: No evidence of a negative reproductive effects.

## Section 12: Ecological Data

### Overview:
This material is not expected to be harmful to the ecology.

### Mobility:
No data

### Persistence:
No data

### Bioaccumulation:
No data

### Degradability:
No data

### Other Adverse Effects:
No data

### Chemical Name
<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>None</td>
</tr>
<tr>
<td>1309-37-1</td>
<td>None</td>
</tr>
</tbody>
</table>

## Section 13: Disposal Information

### Disposal Methods:
Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

### Waste Disposal Code(s):
Not Determined
Section 14  Transport Information

Ground - DOT Proper Shipping Name:  Air - IATA Proper Shipping Name:
N/A  Not regulated for air transport by IATA

Section 15  Regulatory Information

TSCA Status:  All components in this product are on the TSCA Inventory.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
<th>§313 Name</th>
<th>§304 RQ</th>
<th>CERCLA RQ</th>
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</thead>
<tbody>
<tr>
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</table>

Section 16  Additional Information

Revised: 09/03/2014  Replaces: N/A  Printed: 5/6/2015

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Dynamic Color Solutions makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary:

ACGIH  American Conference of Governmental Industrial Hygienists
NTP  National Toxicology Program
CAS  Chemical Abstract Service Number
OSHA  Occupational Safety and Health Administration
CERCLA  Comprehensive Environmental Response, Compensation, and Liability Act
PEL  Permissible Exposure Limit
DOT  U.S. Department of Transportation
ppm  Parts per million
IARC  International Agency for Research on Cancer
RCRA  Resource Conservation and Recovery Act
N/A  Not Available
SARA  Superfund Amendments and Reauthorization Act
TLV  Threshold Limit Value
TSCA  Toxic Substance Control Act
IDLH  Immediately dangerous to life and health