



MATERIAL SAFETY DATA SHEET

1. COMPANY AND PRODUCT INFORMATION

Product Name: Sundek Color Oxide Black

Supplier
Sundeck Products USA, Inc
805 Ave. H Suite 508
Arlington, Texas 76011
For health and safety questions:
Phone number (888) 390-0305
Fax number (817) 649-7292
E-mail: products@sundek.com

**For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300
Outside USA and Canada: 1-703-527-3887
(collect calls accepted)**

2. GENERAL INFORMATION

Product Class: Inorganic Metal Oxide
HMS Codes: H F R
1* 0 0
* Chronic Health Hazard

3. HAZARDS INGREDIENTS

| | <u>CAS #</u> | <u>Weight %</u> | <u>OSHA TWA</u> |
|------------------|--------------|-----------------|---|
| Amorphous Silica | 7631-86-9 | 4% | 20 millions of particles per cubic foot |

4. PHYSICAL DATA

| | | | |
|---------------------------|----------------------------|-----------------------------|-----------------------------|
| Boiling Point: | N/A | Melting Point: | Begins at 1,000°C (1,832°F) |
| Freezing Point: | N/A | Solubility in Water: | Insoluble |
| Physical State: | Solid | Evaporation Rate: | N/A |
| Vapor Pressure: | N/A | Appearance: | Black Powder |
| Bulk Density: | 300-1000 kg/m ³ | Odor: | Odorless |
| Specific Gravity: | 4 - 5 @ 20°C (68°F) | Viscosity, Dynamic: | N/A |
| Percent Volatiles: | N/A | | |
| pH: | 4-8 @ 50 g/l | | |

5. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/E

Flammable Limits:

LEL: N/A
UEL: N/A

Autoignition Temperature: N/A

Decomposition Temperature: N/A

Extinguishing media: Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

6. REACTIVITY DATA

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| Stability: | Stable |
| Hazardous Polymerization: | Will not occur |
| Incompatibility (Material to Avoid): | N/A |
| Hazardous Decomposition Products: | None identified. |
| Conditions to Avoid: | Temperatures greater than 176°F(80°C) this product may become unstable and slowly auto-oxidize into Fe ₂ O ₃ which generates additional heat. Under certain conditions this heat may be sufficient to cause combustible materials to ignite. |

7. HEALTH HAZARD DATA

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| Primary Route of Entry: | Inhalation, Skin contact, eye contact and Ingestion. |
| Medical Conditions Aggravated: | Respiratory disorders. |
| Carcinogenicity: | No |
| NTP: | No |
| IARC: | No |
| OSHA Regulated: | No |
| LD50: | >5,000 mg/kg (rat) |
| LC50: | >2.2 mg/l, 1 hour (rat) |
| Eye Contact: | May cause mechanical irritation. |
| Skin Contact: | May cause mechanical irritation. |
| Inhalation: | May cause mechanical irritation. |
| Component: Amorphous Silica | Prolonged inhalation of amorphous silica may produce x-ray changes in lungs without disability. |
| Ingestion: | May be harmful, gastrointestinal irritation |

8. FIRST AID

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| Eyes: | In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops. |
| Skin: | In case of skin contact, wash affected areas with soap and water. |
| Inhalation: | If inhaled, remove to fresh air. Get medical attention if irritation develops. |
| Ingestion: | If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention. |

9. SPECIAL PROTECTION INFORMATION

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| Respiratory Protection: | Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) OF 15 mg/m ³ – total dust, 5mg/m ³ – respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m ³ – respirable particles and 10 mg/m ³ – inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved, air-purifying particulate respirator with N-95 filters. |
| Ventilation: | Under normal conditions of use, special ventilation is not required. |
| Eye Protection: | Chemical splash goggles or other approved safety glasses. |
| Skin Protection: | No special skin protection requirements during normal handling and use. |
| Work and Hygienic Practices: | Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train Employees in the safe use and handling of this product. |

10. SPILL OR LEAK PROCEDURES

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| Steps to be taken if material is released or spilled: | Spills should be swept up and placed in appropriate containers for disposal. Clean up promptly by scoop or vacuum. Avoid creating dusty conditions. |
| Waste Disposal Method: | Dispose of material in compliance with all local, state and federal government regulations. |
| Empty Container Precautions: | Recondition or dispose of empty container in accordance with governmental regulations. |

11. OTHER PRECAUTIONS

- Storage Period:** If stored under the correct conditions (no climatic influence, kept dry and no extreme fluctuations in temperature) we expect that our products would have a shelf life of 5 years provided, however, the material has been stored correctly and the packaging materials remain unchanged.
- Handling/Storage Precautions:** Do not store near sources of heat (furnaces, kilns, boilers, etc.). Exposure to excessive heat may cause this product to become unstable (slowly auto-oxidize) which generates additional heat. Under certain circumstances this heat generation may be sufficient to cause combustible materials to ignite. Do not store near strong oxidizers, sources of heat, or near flammable or combustible materials. Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.
- Further Info on Storage Conditions:** Material can be stored safely at ambient temperatures.

12. SHIPPING DATA

- D.O.T. Shipping Name:** Not regulated
Technical Shipping Name: Not regulated
D.O.T. Hazard Class: N/A
UN/NA Number: N/A
Reportable Quantity: None
D.O.T. Labels Required: N/A

13. REGULATORY INFORMATION

United States Federal Regulations

- OSHA Hazcom Standard Rating:** Hazardous
US Toxic Substances Control Act: Listed on the TSCA Inventory
US. EPA CERCLA Hazardous Substances (40 CFR 302): None
SARA 311/312 Hazard Class: Chronic Health Hazard
US. EPA Emergency Planning and community Right-To- Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None
US. EPA Emergency Planning and community Right-To- Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65)-Supplier Notification Required: None
US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261): If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Potential exposure to some or all of the California Proposition 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL). The concentrations reported below in units of parts per million (ppm) or parts per billion (ppb) are maximum values.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

| <u>Weight %</u> | <u>Components</u> | <u>CAS #</u> |
|-----------------|-----------------------|--------------|
| >=1% | C.I. Pigment Black 11 | 1317-61-9 |
| 4% | Amorphous Silica | 7631-86-9 |

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| 13. REGULATORY INFORMATION (cont) |
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New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

| <u>Weight %</u> | <u>Components</u> | <u>CAS #</u> |
|-----------------|-------------------|--------------|
| 0.21% | Manganese | 7439-95-4 |
| 0.4% | Aluminum | 7429-90-5 |
| 0.32% | Zinc | 7440-66-6 |
| 0.15% | Copper | 7440-50-8 |

Pennsylvania Right to Know Special Hazard Substance List:

| <u>Weight %</u> | <u>Components</u> | <u>CAS #</u> |
|-----------------|-------------------|--------------|
| 0.09% | Chromium | 7440-47-3 |
| 0.06% | Nickel (Ni) | 7440-02-0 |

MA Right to Know Extraordinarily Hazardous Substance List:

| <u>Weight %</u> | <u>Components</u> | <u>CAS #</u> |
|-----------------|-------------------|--------------|
| 0.09% | Chromium | 7440-47-3 |
| 0.06% | Nickel (Ni) | 7440-02-0 |
| 50 ppm | Arsenic | 7440-38-2 |

California Prop. 65:

Warning! This product contains chemical(s) known to the State of California to be Carcinogenic.

| <u>Weight %</u> | <u>Components</u> | <u>CAS #</u> |
|-----------------|-------------------|--------------|
| 0.01% | Nickel (Ni) | 7440-02-0 |
| 0.01% | Cobalt | 7440-48-4 |

Disclaimer:

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by this company to be accurate.