



MATERIAL SAFETY DATA SHEET

1. COMPANY AND PRODUCT INFORMATION

Product Name: Sundek Color Oxide Green

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: Chromium Compounds
HMIS Codes: H F R
0 0 0

3. HAZARDS INGREDIENTS

	<u>CAS #</u>	<u>Weight %</u>	<u>OSHA PEL</u>	<u>ACGIH/TLV</u>
Chromium Oxide	1308-38-9	>=95%	0.5 mg/m3	0.5 mg/m3 Cr Cr

4. PHYSICAL DATA

Boiling Point:	N/A	Melting Point:	>1,000°C (>1,832°F)
Freezing Point:	N/A	Solubility in Water:	Essentially Insoluble
Physical State:	Solid	pH:	5-7 @ 50 g/l 20°C (68°F)
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Bulk Density:	Approximately 800 kg/m3 @ 20°C (68°F)	Appearance:	Green Powder
Specific Gravity:	5.2 @ 20°C (68°F)	Odor:	N/A
Percent Volatiles:	N/A	Viscosity, Dynamic:	N/A
Molecular Weight:	151.99		

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:	Water, Foam, and Dry Chemical
Unsuitable Extinguishing Agents:	Carbon Dioxide (CO2)
Special Fire Fighting Procedures:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
Fire and Explosion Hazards:	None

6. REACTIVITY DATA

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibility (Material to Avoid):	Lithium, glycerol.
Hazardous Decomposition Products:	None identified.
Conditions to Avoid:	Dusting.

7. HEALTH HAZARD DATA

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:	>10,000 mg/l (Zebra fish (Brachydanio rerio), 96 hrs)
Eye Contact:	May cause slight irritation
Skin Contact:	May cause mechanical irritation.
Inhalation:	May cause respiratory tract irritation with symptoms of coughing, sore throat and runny nose.
Ingestion:	May be harmful, gastrointestinal irritation

8. FIRST AID

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

Chromium Oxide (1308-38-9):	US. ACGIH Threshold Limit Values Time Weighted Average (TWA): 0.5 mg/m ³ as Cr US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) PEL: 0.5 mg/m ³ as Cr
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

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:	Unlimited in tightly closed containers.
Handling/Storage Precautions:	Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Avoid breathing dust.
Further Info on Storage Conditions:	Material can be stored safely at ambient temperatures.

12. SHIPPING DATA

D.O.T. Shipping Name: Chemicals, nos
Technical Shipping Name: Chemicals, nos
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): Chromium Oxide - Included in the regulation but with no data values. See regulation for further details.
SARA 311/312 Hazard Class: Acute 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: Chromium Oxide
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.

The concentrations reported below in units of parts per million(ppm) or parts per billion (ppb) are maximum values. Trace heavy metal content reported below is based on random sample analyses and content may vary from batch to batch.

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

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
>=95%	Chromium Oxide	1308-38-9

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists:

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
>=95%	Chromium Oxide	1308-38-9

MA Right to Know Extraordinarily Hazardous Substance List:

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
>=95%	Chromium Oxide	1308-38-9
2 ppm	Arsenic	7440-38-2
2 ppm	Cadmium	7440-43-9

California Prop. 65:

Warning! This product contains chemical(s) known to the State of California to be Carcinogenic. Developmental toxin. Female reproductive toxin. Male reproductive toxin.

<u>Weight %</u>	<u>Components</u>	<u>CAS #</u>
2 ppm	Arsenic	7440-38-2
2 ppm	Cadmium	7440-43-9
50 ppb	Mercury	7439-97-6
2 ppm	Lead	7429-92-1
5 ppm	Hexavalent Chromium	18540-29-9