
Material Safety Data Sheet

1. SUBSTANCE/PREPARATION

PRODUCT NAME: Chromium Oxide Green

USE DESCRIPTION

Purified colors are manufactured for use in a variety of cosmetic applications. These products are produced to the highest purity standards possible.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Chromium Oxide Green
CAS: 1308-38-9
RTECS #: GB6475000
Fraction by Wt: ≥97.00%

3. HAZARDS IDENTIFICATION

Exposure to a large single doses may cause sneezing and dryness of mucous membranes. Could cause irritation of the mucous membranes and respiratory tract.

Routes of Exposure: Ingestion, inhalation, eye contact

Target organs: None identified

Symptoms of overexposure:

Inhalation: Low oral toxicity. Dust may irritating. Prolonged inhalation of air-born dust may cause scarring of the lungs (pulmonary fibrosis).

Ingestion: Considered harmless and inert when ingested

Dermal Contact: Can cause dryness, or may cause mild irritation.

Acute Effects: None identified

Chronic Effects: Repeated exposure may cause conjunctiva inflammation.

4. FIRST AID MEASURES

EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

SKIN CONTACT

Wash skin with water and apply moisturizers to relieve dryness. Seek medical attention in the unlikely event that irritation occurs.

INHALATION

Remove to fresh air. Get medical attention if breathing is difficult.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Nonflammable inorganic pigment product.

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

Special Fire-Fighting Procedures

Self-contained breathing apparatus (SCBA) and full protective equipment recommended.

Unusual Fire and Explosion Hazards

This product will not burn.

General Hazard

This inorganic pigment will not burn, and has a low level of fire hazard.

FLAMMABILITY DATA

Flash Point:	Non-flammable material
Flammability Limits:	Not applicable
Autoignition Temperature:	Not applicable
Dust Cloud Ignition Temperature:	Not applicable
Dust Layer Ignition Temperature:	Not applicable

NFPA	RATINGS	HMIS	RATINGS
Health:	0	Health:	0
Flammability:	0	Flammability:	0
Reactivity:	0	Reactivity:	0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

For dry powder for inert materials it may be added sand to control dusting.

Large Spill

Contain spilled material immediately with an inert substance such as sand or earth. Transfer diluted waste material into appropriate containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid employee exposure through the use of appropriate engineering controls and good industrial hygiene practices.

Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

The use of local exhaust ventilation is recommended.

Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

Exposure Limits

OSHA TWA=2 mg/m³

ACGIH TWA=2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine powder

ODOR: "Earthy" odor

MELTING POINT: No data

DENSITY: 2.7-2.8g/cm³

SOLUBILITY: Insoluble

PERCENT VOLATILE: None

VAPOR PRESSURE: Not applicable

MOLECULAR FORMULA: Cr₂O₃

VOLATILE ORGANIC COMPOUNDS (VOC's): None

10. STABILITY AND REACTIVITY

GENERAL:

This product is a stable compound and hazardous polymerization will not occur.

INCOMPATIBILITY:

None known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

11. TOXICOLOGICAL INFORMATION

GENERAL

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, many inorganic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that inorganic pigments are somewhat inert and insoluble substances.

ACUTE (SHORT-TERM) TOXICITY

No known published data available.

CHRONIC (LONG-TERM) TOXICITY

No known published data available.

MUTAGENICITY

No known published data available.

12. ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since inorganic pigments are mostly insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

13. DISPOSAL CONSIDERATIONS

General

This product must be disposed of in accordance with all applicable federal, state and local regulations.

Waste Management

Incineration or land filling are recommended disposal techniques. Contact the state or local environmental agency for specific rules.

14. TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102) : Not regulated
D.O.T. HAZARD CLASS (49 CFR 172.101-102).....: None
D.O.T. LABEL.....: None
D.O.T. PLACARD.....: None
BILL OF LADING DESCRIPTION.....: Dry Pigments
CERCLA SUBSTANCE (49 CFR).....: Not regulated
REPORTABLE QUANTITY (RQ).....: None

INTERNATIONAL

UN/NA NUMBER.....: Not regulated

IMDG/IACO CLASSIFICATION.....: Not regulated
IATA CLASSIFICATION..... Not regulated

15. REGULATORY INFORMATION

OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA’s Federal Hazard Communication Standard 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

SARA Title III

Section 302 (EHS)..... : NONE

Section 311/312 (Acute).....: NONE

RCRA

Not regulated as a hazardous waste under RCRA.

EINECS No.: 2388779

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