



MATERIAL SAFETY DATA SHEET

Name: Chrome Oxide Green
Synonym: Chrome Oxide; Green Chrome Oxide
Supplier: Huangshi Yucheng Trade Co.,Ltd
Address: 60 Room, 6 Suit, Lakeshore Area, Huangshi City, Hubei, China
Tel/Fax: 86-714-6403185/86-714-6401119

➤ Section 1 IDENTIFICATION OF THE SUBSTANCE

MSDS Name: Chrome Oxide Green 99% Amorphous Powder
Synonym: Chrome Oxide; Green Chrome Oxide

➤ Section 2 COMPOSITION, INFORMATION ON INGREDIENTS

CAS#: 1308-38-9
Chemical Name: Chrome Oxide Green
Content(Cr₂O₃): 99.0%
Hazard Symbols: None Listed.
Risk Phrases: None Listed.

➤ Section 3 HAZARDS IDENTIFICATION

Cancer suspect agent.Hygroscopic.Oxidizer.
Potential Health Effects

Eye: May cause mild eye irritation.

Skin: May cause mild skin irritation.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: May cause respiratory tract irritation.

Chronic: Prolonged or repeated skin contact may cause sensitization dermatitis and possible destruction and/or ulceration. Repeated inhalation may cause chronic bronchitis. May cause cancer according to animal studies.

➤ Section 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water.Get medical aid.

Inhalation: Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.Notes to Physician:

➤ Section 5 FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Substance is noncombustible. Oxidizer. Greatly increases the burning rate of combustible materials.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

➤ Section 6 ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

➤ Section 7 HANDLING and STORAGE

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.



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Address (Wuhan branch): No.8 Hongtu Road, Dongxihu District, Wuhan City,
Hubei Province, China. Tel/tax: 86-27-84750716

Storage: Do not store near combustible materials. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

➔ Section 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

➔ Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: green

Odor: Odorless.

PH: Not available.

Vapor Pressure: Not applicable.

Viscosity: Not available.

Boiling Point: 4000 deg C @ 760.00mmHg

Freezing/Melting Point: 2435 deg C

Auto ignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Solubility in water: insoluble

Specific Gravity/Density: 5.2100g/cm³

Molecular Formula: Cr₂O₃

Molecular Weight: 151.99

➔ Section 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Combustible materials.

Incompatibilities with Other Materials: Chlorine trifluoride, glycerol, lithium, rubidium acetylide, and oxygen difluoride.

Hazardous Decomposition Products: None.

Hazardous Polymerization: Has not been reported.

➔ Section 11 TOXICOLOGICAL INFORMATION

RTECS#: GB6475000

CAS#: 1308-38-9:

LD50/LC50: Not available.

Carcinogenicity: Chromium (III) Oxide - ACGIH: A4 - Not Classifiable as a Human Carcinogen (listed as ** IARC: Group 3 carcinogen (listed as ** undefined **).

Other: See actual entry in RTECS for complete information.

➔ Section 12 ECOLOGICAL INFORMATION

Aquatic toxicity: slightly toxic

➔ Section 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.



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➤ **Section 14** **TRANSPORT INFORMATION**
IATA: Not regulated as a hazardous material.
IMO: Not regulated as a hazardous material.
RID/ADR: Not regulated as a hazardous material.

➤ **Section 15** **REGULATORY INFORMATION**
International Regulations: European Labeling in Accordance with EC Directives
Hazard Symbols: Not available.
Risk Phrases: Not available.
Safety Phrases: S 24/25 Avoid contact with skin and eyes.
WGK (Water Danger/Protection)
CAS# 1308-38-9: 1
United Kingdom Occupational Exposure Limits
CAS# 1308-38-9: OES-United Kingdom, TWA (listed as ** undefined
**): 0.5 mg/m³ TWA

➤ **Section 16** **OTHER INFORMATION**
ISSUED BY HUANGSHI YUCHENG TRADE CO.,LTD