

434

1. Identification of the substance/preparation and the company/undertaking

2. Composition/information on ingredients

CAS NUMBER: 1308-38-9

CHEMICAL NAME OF THE SUBSTANCE: Cr

CHEMICAL NAME: Chromium

CHEMICAL FORMULA: Cr₂O₃

CHEMICAL FAMILY: Oxide

These colors are inorganic products of fusion at high temperatures; as a result, the individual constituents are rendered essentially inert and do not exhibit the same chemical properties as if they existed in the pure state.

3. Hazards Identification

EMERGENCY OVERVIEW: An inorganic powder that poses little or no immediate hazard. It will not burn in a fire. Repeated or prolonged breathing of any dust may cause lung damage.

ROUTES OF ENTRY: * Inhalation
* Ingestion

INHALATION: Dust from the product may cause irritation of the respiratory system, nausea, or a metallic taste in the mouth.

INTESTION: The product has low solubility in body fluids. Ingesting small amounts is unlikely to cause any severe health risks.

SKIN & EYE CONTACT: May irritate eyes and skin. Acts as nuisance dust.

MEDICAL CONDITIONS: Some inhalation and skin disorders may be aggravated by exposure to this compound.

CHRONIC EXPOSURE: Prolonged exposure to dust may lead to pulmonary problems.

HMIS HAZARD CLASS: Health: 1* Fire: 0 Reactivity: 0

4. First Aid Measures

INHALATION: Move to fresh air.

INGESTION: For excessive ingestion, drink water or milk. Call a physician. Never give anything by mouth to an unconscious person.

EYE CONTACT: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

SKIN CONTACT: Wash off immediately with soap and plenty of water.

5. Fire-fighting measures

EXTINGUISHING MEDIA: *ABC Dry Chemical, or
*Water

SPECIAL PROCEDURES: No special fire-fighting procedures are required.

UNUSUAL FIRE HAZARDS: No unusual fire or explosion hazards exist.

NFPA HAZARD CLASS: Health: 1 Fire: 0 Reactivity: 0

6. Accidental release measures

Avoid dusting. Uncontaminated material may be scooped up for use. If contaminated, scoop or vacuum into a receptacle for disposal. Certain spills may require National Response Center (800-434-8802) notification.

7. Handling and Storage

Protect containers against physical damage.
Store in a dry area away from feed and food products.

Wash thoroughly after handling.

Exposure controls/personal protection

EXPOSURE CONTROLS:

CAS #: 7740-47-3 Chromium (III) Compounds (as Cr)
OSHA PEL: 0.5 mg/m³
ACGIH TLV: 0.5 mg/m³
ACGIH STEL: 0.5 mg/m³

This pigment is formed by high temperature calcination. Therefore, it does not necessarily have any of the properties of its component oxides or metals.

VENTILATION: Use local exhaust ventilation to keep air contaminants below their PEL's while using this product.

PERSONAL PROTECTION:

PROTECTIVE EQUIPMENT *Safety glasses (to protect eyes against dust)
 *Cotton work gloves
 *Protective clothing, such as, but not limited to coveralls, smocks, shoes, and/or hats.

RESPIRATORY: Use a NIOSH approved respirator for dust.

WORK PRACTICES: Avoid making dust.
 Do not breathe or eat dust.
 Use only with adequate ventilation.
 Wash thoroughly before eating, drinking, smoking, or applying cosmetics.

9. Physical and chemical properties

| | | | |
|----------------|----------------|--------------------|----------------|
| Aggregation: | Not applicable | Color: | green |
| Odor: | Odorless | pH (at conc.): | Not available |
| Boiling Point: | Not applicable | Melting point: | Not available |
| Flash Point: | Not applicable | Flammability: | Does not burn |
| Autoignition: | Not applicable | Explosivity: | Not applicable |
| Oxydation: | Not applicable | Vapor Pressure: | Not applicable |
| Density: | Not available | Solubility (water) | Negligible |
| Solubility: | Not available | | |
| Form: | Powder inert | | |

10. Stability and reactivity

STABILITY: Stable at normal conditions

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY: None expected

BY PRODUCTS: None expected

CONDITIONS TO AVOID: None

11. Toxicological information

| | | | |
|------------------|---------|--------------------|--------------------|
| CARCINOGENICITY: | NTP: No | IARC MONOGRAPH: No | OSHA REGULATED: No |
| LD 50/oral/rat: | N/A | | |
| LD50/dem./rat: | N/A | | |
| LC50/inh/1h/rat: | N/A | | |

12. Ecological information

Ecological injuries are not known or expected under normal use.

13. Disposal considerations

RCRA INFORMATION: This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or activity. It is not listed in 40 CFR 261.33. Contact the Regulatory Specialist in the Color Division R & D Laboratory for any Toxicity Characteristic Leaching procedure (TCLP) data.

14. Transport information

| | |
|------------|--------------|
| DOT: | Not required |
| IATA: | Not required |
| CERCLA RQ: | None |

15. Regulatory Information

TSCA: This product and/or its component(s) are listed on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
This substance is not subject to Section 12(b) of TSCA (export Notification).

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of CFR 372:

PER CENT BY WT.

| | |
|-----------------------|-------|
| Chromium III Compound | >98 % |
|-----------------------|-------|

This information must be included in all MSDS's that are copied and distributed for this material.

16. Other Information

KEY:

- ACGIH = American Conference of Governmental Industrial Hygienists
- OSHA = Occupational Safety and Health Administration
- TLV = Threshold Limit Value
- PEL = Permissible Exposure Limit
- (C) = Ceiling
- mppcf = Millions of particles per cubic foot of air
- STEL = Short-Term Exposure Limit
- N/A = Not Available
- Est = estimated

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