



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Green 17 Oxide Cosmetic Pigment

1. Identification of the substance/mixture and company

Trade name:	Green 17 Oxide Cosmetic Pigment High purity chromium oxide green
INCI	CI 77288
CAS No. :	1308-38-9
EINECS No. :	215-160-9
REACH pre-registration No. :	-
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL , Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, www.elemental.eu
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Adverse physico-chemical, human health and environmental effects: No other hazards

2.2 Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Special provisions according to Annex XVII of REACH and subsequent amendments: None

2.3 Other hazards

No PBT Ingredients are present.
Other Hazards: No other hazards.

3. Declaration of ingredients

3.1 Substances

Chemical characterisation: CHROMIUM OXIDE GREEN
Registration Number 01-2119433951-39-XXXX

3.2 Mixtures

Not Available

Hazardous components within the meaning of the CLP regulation and related classification:

None

4. First aid measures

4.1 Description of first aid measures

In case of skin contact: Wash with plenty of water and disinfectant/non-abrasive soap.



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In case of eye contact: Wash immediately with water.

In case of ingestion: Do not induce vomiting, get medical attention showing the MSDS and hazards label.

In case of inhalation: Remove casualty to fresh air and keep warm and at rest.

4.2 Most important symptoms and effects, both acute and delayed

Not Available

4.3 Indication of any immediate medical attention and special treatment needed

None

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water, CO₂, foam, chemical powders, according to the materials involved in the fire.
In case of fire, use foam, dry chemical, CO₂.

Unsuitable extinguishing media: None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases. Burning produces heavy smoke.

5.3 Advice for fire-fighters

Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose of it following local legislation. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required.

6.3 Methods and material for containment and cleaning up

Suitable material for cleaning up: dry and inert absorbing material (e.g. vermiculite, sand, earth). Wash with plenty of water.

6.4 Reference to other sections

See also section 8 and 13.



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7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials: None in particular.

Instructions regarding storage premises: Adequately ventilated premises.

7.3 Specific end use(s)

Recommendation(s): Storage temperature < 25°C

Industrial sector specific solutions: None in particular.

8. Exposure controls / personal protection

8.1 Control parameters

OEEL Type	Country	Long Term mg/m ³	Long Term ppm	Short Term mg/m ³	Short Term ppm	Notes
NATIONAL	Russian Federation	1		3		

8.2 Exposure controls

Eye/face protection: Eye glasses with side protection.

Skin protection: Chemical protection clothing.

Hand protection: NBR (nitrile rubber).

Respiratory protection: Filtering Half-face mask (DIN EN 149).

8.3 Hygienic and Technical measures

Not Available

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Physical State Solid

Appearance: Powder, Green

Odour: Not Available

Odour threshold: Not Available

pH: Not Available

Melting point/ range: 2435 °C (4415 °F) Notes 2435 °C

Boiling point/ range: 4000 °C (7232 °F)

Flash point: Not Applicable



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Evaporation rate: Not Available
Upper/lower flammability or explosive limits: Not Available
Vapour density: <0.00001
Vapour pressure (20°C): Not Available
Density (20°C): 5.22 g/cm³
Water solubility: Insoluble
Lipid solubility: Insoluble
Partition coefficient (n-octanol/water): Not Available
Auto-ignition temperature: Not Available
Decomposition temperature: 900.00 °C
Viscosity (20°C): Not Available
Explosive properties: Not Available
Oxidising properties: Not Available
Flammability (Solid, Gas): Not Available
Volatile Organic compounds - VOCs = Not Available

9.2 Other information

Substance group relevant properties: Not Available
Miscibility: Not Available
Conductivity: Not Available

10. Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Data not Available.

10.3 Possibility of hazardous reactions

Burning produces carbon monoxide and/or carbon dioxide.

10.4 Conditions to avoid

Stable under normal conditions of temperature and pressure.

10.5 Incompatible materials

Avoid strong oxidizing agents, peroxides, acids, alkali metals.

10.6 Hazardous decomposition products

Burning produces carbon monoxide and/or carbon dioxide.

11. Toxicological information

11.1 Information on toxicological effects

Toxicological Information:

The substance is not subject to classification according to the latest version of the EU lists



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Toxicological Information of the Substance

CHROMIUM OXIDE GREEN

- a) acute toxicity LD50 Oral Rat > 5000.00000 mg/kg
- b) skin corrosion/irritation Skin Irritant No Irritant effect
- c) serious eye damage/irritation Eye Irritant No Irritant effect

In case they have not been specified above, the following Information should be considered as Not Available.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

12. Ecological information

12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-toxicity:

List of Eco-Toxicological properties of the product

Component	Ecotox Data
CHROMIUM OXIDE GREEN	a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio > 10000.00000 mg/l 96h b) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 11.70000 µg/L 72h OECD Guideline 201

12.2 Persistence and degradability

Not Available

12.3 Bioaccumulative potential

Not Available

12.4 Mobility in soil

Not Available

12.5 Results of PBT and vPvB assessment

No PBT Ingredients are present

12.6 Other adverse effects

Not Available



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13. Disposal considerations

13.1 Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transport information

14.1 UN number

N/A

14.2 UN proper shipping name

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

14.3 Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

14.4 Packing Group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

14.5 Environmental hazards

Toxic Ingredients Qty: 0.00

High Toxicity Ingredients Qty: 0.00

Marine pollutant: No

Environmental Pollutant: No

14.6 Special Precautions for User

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR-Upper number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Sub Risk: N/A

IATA-Erg: N/A

IATA-Special Provisioning: N/A



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Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Sub Risk: N/A

IMDG-Special Provisioning: N/A

IMDG-Page: N/A

IMDG-Label: N/A

IMDG-EMS: N/A

IMDG-MFAG: N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Available

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 453/2010 (Annex II)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: None

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III): Not Available

German Water Hazard Class: Not Available

SVHC Substances: No Data Available

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for the mixture.

16. Additional information

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European



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Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.