



Section 1 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name **WapoTec® Dye**
- Identification Chrome black (Chromogen black, Eriochrome black T)
- Index-n° ---
- CAS-n° 1787-61-7
- EINECS-n° 217-250-3
- Registration n° acc. REACH Not available
- 1.2 Relevant identified uses of the substance or the mixture and uses advised against.
- Identified use of substance Indicator
- 1.3 Supplier TCDO Produktionsgesellschaft mbH
Carola-Blome-Str. 7
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3
- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
Office hours: MO - TH: 8.00 - 16.00, FR: 8.00 - 12.00
- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43 available: 0-24h



Section 2 Hazards identification

- 2.1 Classification of the substance or mixture
-  according to Directive (EC) N° 1272/2008
- Eye irritation cat. 2**
Chronic aquatic toxicity cat. 2
- H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long-term adverse effects.
- 2.2 Label elements
-  according to Directive (EC) 1272/2008



Warning

- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long-term adverse effects.
- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/eye protection.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P501 Dispose of content/container as problematic waste.

 Danger defining components for labeling

Chrome black (Chromogen black, Eriochrome black T)
CAS: 1787-61-7, EC: 217-250-3

2.3 Other hazard information
Unknown.

Section 3 Information on the ingredients


3.1 Substance

Name	CAS # / EC # / Index #
Chrome black (Chromogen black, Eriochrome black T)	1787-61-7 / 217-250-3 / ---

Section 4 First-aid measures


4.1 General information

Remove immediately all contaminated clothing and wash clothing.

 After inhalation


Move affected person immediately to fresh air. Consult doctor.

In case of unconsciousness storage and transport in stable position.


 After skin contact

Immediately wash with plenty of water. Remove all contaminated clothing.

If skin irritation persists consult a doctor.

 After eye contact

After eye contact, rinse eye immediately for 10 to 15 minutes with water holding eye lids apart. In eye irritation occurs, consult a doctor.

 After ingestion

Rinse mouth with water. If victim is conscious: give plenty of water to drink.

Do not induce vomiting. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed

Depending on patient's condition, symptoms and general condition should be evaluated by a doctor.

**Section 5 Fire-fighting measures**

5.1 Extinguishing media

 Suitable extinguishing media

Foam, extinguishing powder.

 Unsuitable extinguishing media for safety reasons

Water jet.

5.2 Special hazards arising from the substance or mixture

In case of fire development of hazardous gases or vapors possible.

5.3 Special protective actions for fire-fighters

Special protective equipment: Wear self-contained breathing apparatus and full protective clothing.






Prevent extinguishing water from entering surface waters or ground water.



Section 6 Accidental release of material

- 6.1 Personal precautions, protective equipment and emergency procedures.
Restricted access to affected area during cleaning.
Wear appropriate protective clothing.
Avoid skin and eye contact.
- 6.2 Environmental precautions
Do not allow product to reach sewage system/ surface water/ ground water.
- 6.3 Methods and material for containment and cleaning up
Pick-up mechanically. Ensure sufficient ventilation.
Dispose contaminated material as waste in proper container according to section 13 or send in suitable containers for recovery.
- 6.4 Reference to other sections
Protective measures see section 8.
Disposal see section 13.

Section 7 Handling and storage

- 7.1 Precautions for safe handling
Do not allow the product to come into contact with the eyes and skin. Do not inhale dust. Avoid dust distribution in the air. Wear personal protective equipment. Eye rinsing flasks are mandatory near the workplace.
- 7.2 Conditions for safe storage including any incompatibilities
-  Fire and explosion protection measures
No special measures required. - Do not smoke.
 -  Requirements for storage rooms and container
Store dry.
Keep container tightly closed.
 -  Material incompatibility
No data available.
 -  Recommended storage temperature
No recommendations.
 -  VbF class
Not applicable.
- 7.3 Specific end uses
Indicator.

Section 8 Exposure controls/personal protection

8.1 Control parameters

The product does not contain relevant quantities of substances with critical values that have to be monitored at the workplace.

If dust is generated observe general dust limit values.

8.2 Limitation and monitoring of exposure

General protective and hygiene measures

Technical measures and the application of appropriate working methods take precedence over the use of personal protective equipment.

Follow usual precautions when dealing with chemicals.

Keep away from food and drinks.

Do not eat or drink at work, wash hands before breaks and at end of work.

Avoid eye and skin contact. Avoid inhaling of dust.

Change contaminated work wear and clean it before reuse.

Protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection

In case of dust formation.

Hand protection

Protective gloves (e.g. nitrile rubber) are required.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Choose glove material in consideration of the respective break through times, permeation rates and degradation.

Eye protection

Tightly sealed goggles.

Personal protection

Protective work wear. Personal protection should be selected specifically depending on the concentration respectively the quantity of the used mixture.

Environmental exposure controls

Do not allow to reach the sewage system / surface water/ groundwater. If the product contaminates rivers, lakes, or sewages, inform appropriate authorities in accordance with local regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance solid, powder

Colour	black
Ordour	mild
Odour threshold	No data available
pH value	approx. 3.4/ (10 g/l)
Melting point	No data available
Boiling point/range	No data available
Flash point	n. a.
Evaporation rate	No data available
Flammability	Not flammable
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure (50°C)	No data available
Bulk density (20°C)	approx. 400 – 600 kg/m ³
Solubility in water (20°C)	50 g/l
Partition coefficient; n-octanol-water	No data available
Auto ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity (20°)	No data available.
Explosive properties	Not explosive.
Oxidizing properties	No data available.

9.2 Other information

Solubility in ethanol	2 g/l
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Section 10**Stability and reactivity**

10.1	Reactivity No hazardous reaction when using according to intended purpose.
10.2	Chemical stability Stable when using according to intended purpose.
10.3	Possibility of hazardous reactions Reactions with strong oxidizing agents. Danger of dust explosion.
10.4	Conditions to avoid No data available.
10.5	Incompatible materials

Oxidants.

- 10.6 Hazardous decomposition products
Sulfur oxide (SO_x), nitric oxide (NO_x).

Section 11

Toxicological information

11.1

Information on toxicological effects

LD₅₀ values relevant for classification of individual components (literature value)

No data available.

Acute toxicity

Based on available data the classification criteria are not met.

Corrosive/irritant to skin

Based on available data the classification criteria are not met. Slight irritations possible.

Serious eye damage/eye irritation

Category 2: Causes serious eye irritation.

Respiratory/skin sensitization

Based on available data the classification criteria are not met.

Germ cell mutagenicity

The product does not contain any ingredients at a concentration equal or higher than 0.1%, being listed as mutagen.

Based on available data the classification criteria are not met.

Carcinogenicity

The product does not contain any ingredients at a concentration equal or higher than 0,1%, being listed as carcinogen at the International Agency for Cancer Research (IARC) or the American Conference for Governmental Industrial Hygienic (ACGIH).

Reproductive toxicity

The product does not contain any ingredients at a concentration equal or higher than 0.1%, being listed as toxic for reproduction.

Specific target organ toxicity for single exposure


Based on available data the classification criteria are not met.

Specific target organ toxicity for multiple exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

 Further information

Classification of preparation according to CLP-Regulation (EC) 1272/2008 Annex I.

After inhalation: Slight irritations.

Further hazardous properties cannot be excluded; however, when the product is handled appropriately, hazardous effects are unlikely to occur.



Section 12

Toxicological information

12.1

Toxicity

No data available.

12.2

Persistence and degradability

No data available.

12.3

Bioaccumulative potential

No data available.

12.4

Mobility in soil

No data for the product itself available.

12.5

Results of PBT- and vPvB-assessment

No data for the product itself available.

12.6

Other adverse effects

Prevent releasing into waters, sewage system and soil! Danger for drinking water.

Water hazard class 2 (self-assessment): hazardous to waters.

Danger of contamination of drinking water supplies even if the smallest amount leaks into the subsoil.



Section 13


Disposal considerations

13.1

Waste treatment methods

Product residues must be disposed of by authorized companies only.

Do not allow to enter sewage system, soil, or water bodies.

 Waste key number

59305 g (ÖNORM S 2100); liste of waste


 Waste name

Laboratory waste and chemical residues.

 European waste catalogue

1600506* (Laboratory chemicals, consisting of / or containing harmful substances including mixtures of laboratory chemicals)

Note: EAK-waste key is source-related. This may lead to another classification. The decision is up to the enduser.



 Contaminated packaging material

Recommendation: Empty container completely and deliver to a specialized company for reconditioning, recycling or disposal. Uncleaned packaging should be handled according to the product.



Section 14

Transport Information

- 14.1 UN-Number
UN 3077
- 14.2 UN Proper Shipping Name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CHROME BLACK)
- 14.3 Transport hazard class

9
- 14.4 Packing group
III
- 14.5 Environmental hazards

- 14.6 Special precautions for the user
Not applicable.
EmS: F-A, S-F
- 14.7 Transport in bulk according to Annex II of MARPOL and according to IBC-Code
Non relevant.





Section 15

Regulatory information


- 15.1 Safety-, health- and environmental regulations/legislation specific for the substance or mixture
This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006. The substance is classified according to CLP Regulation (EC) 1272/2008 and is based on manufacturer's instructions.

National regulatory

Austria:

-  ChemG 1996 - amendment 2011
This product is classified hazardous according to the Austrian chemical legislation of 1996 - amendment 2011.
-  VbF - Directive about combustible liquids (BGBl 1991/240)
Not applicable.

Germany:

-  Regulations on Facilities Handling Substances Dangerous to Water (AwSV) dated 18 April 2017
WHC 2 (water hazardous)
Storage class: 10 - 13

-  Hazardous incidence ordinance

Mind the quantity threshold according to the hazardous incidence ordinance. Annex I, E2.

15.2

Chemical Safety Assessment

No data available.

Section 16

Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as guidance for safe handling. Since unknown risk potentials can never be completely ruled out, the product should be handled with the usual care when dealing with chemicals and only for the uses listed in Section 1.

Classification according to Regulation CLP (EC)1272/2008 Annex I.

-  Relevant H-Phrases

H319

Causes serious eye irritation

H411

Toxic to aquatic organisms with long-term adverse effects.

-  Relevant hazard classification

Eye Irrit. 2




Serious eye irritation category 2

Aqu. Chron. 2

Chronically water hazardous category 2

Issue

Replaces previous versions

-  Written by
-  Translated by
-  Short cuts

UmEnA GmbH

Wapotec GmbH

n. t. not tested

n.a. not applicable

WHC water hazard class

PBT persistent, bio-accumulative, toxic

vPvB high persistent, high bio-accumulative

ECHA European Chemicals Agency <http://www.echa.eu>)