



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

1.1	Product identifier	
	Trade name	<b>WAPOTEC<sup>®</sup> Dye</b>
	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: <a href="mailto:office@wapotec.at">office@wapotec.at</a>
1.4	Emergency phone	+43 662 43 43 42-0 Office hours: MO - TH: 8.00 - 16.00, FR: 8.00 - 12.00 <b>Toxicity information centre Vienna:</b> 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
		<b>Serious eye irritation cat. 2</b>
		<b>Chronically water hazardous cat. 2</b>
	H319	Causes serious eye irritation.
	H411	Toxic to aquatic organisms with long-term adverse effects.
		 according to Directive (EC) N° 67/548
		<b>Xi</b> (Irritant)
		<b>N</b> (Dangerous for the environment)
	R 36	Irritating to eyes
	R 51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

## 2.2 Label elements

 according to Directive (EC) 1272/2008

**Attention**

H319	Causes serious eye irritation.
H411	Toxic to aquatic organisms with long-term adverse effects.
P264	Wash thoroughly hands after use.
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.

 according to Directive (EC) N° 67/548

**Xi****N**

R 36	Irritating to eyes
R 51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
S 2	Keep out of reach of children
S 26	After eye contact, rinse out eyes thoroughly with water and consult physician.
S 46	If swallowed, seek medical advice immediately and show this container or label.
S 56	Dispose of this material and its container at hazardous or special waste collection point.
S 61	Avoid release to the environment. Get special instructions/refer to safety data sheet.

 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 Substances

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 physician if disturbances occur. In case of unconsciousness storage and transport in stable position.

##### After skin contact

After skin contact, wash with plenty of water.  
Remove immediately all contaminated clothing.  
Consult physician if skin irritation occur.

##### After eye contact

After eye contact, rinse eye for 10 to 15 minutes with water holding eye lids apart. In case of eye irritation consult physician.

##### After ingestion

Rinse mouth with water. If victim is conscious: give water. Do not induce vomiting. Consult physician.

#### 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 physician.

### Section 5 Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Foam, powder

##### Unsuitable extinguishing media for safety reasons

Full water jet.

- 5.2 Special hazards arising from the substance or mixture  
May form of toxic gases in case of heating or in event of fire.
- 5.3 Special protective actions for fire-fighters  
Special protective equipment: Wear self-contained breathing apparatus and full protective clothing. Avoid infiltration from contaminated extinguishing water in surface or ground water






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## **Section 6** Accidental release of material

- 6.1 Personal precautions, protective equipment and emergency procedures.  
Restricted access to affected area during cleaning. Wear full protective clothing. Avoid contact to substance and inhalation.
- 6.2 Environmental precautions  
Do not empty into drains/surface water/ground water
- 6.3 Methods and material for containment and cleaning up  
Bind with absorbent material. Provide sufficient ventilation  
After taking up the material dispose according to legal provisions (see section 13).
- 6.4 Reference to other sections  
Protective measures see section 8  
Disposal see section 13

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## **Section 7** Handling and storage

- 7.1 Precautions for safe handling  
Avoid contact with eyes and skin. Avoid generation of dust. Avoid dust spreading.
- 7.2 Conditions for safe storage including any incompatibilities
-  Fire and explosion protection measures  
No special measures required. Do not smoke
  -  Design of storage rooms and container  
Keep container tightly closed in a dry place.
  -  Material incompatibility  
No data available
  -  Recommended storage temperature  
No recommendation.
  -  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 components to be controlled with limiting values at work.

If dust is generated observe general dust limit values

### 8.2 Exposure controls

#### ☉ General protective and hygiene measures

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 end of work. Avoid eye and skin contact.

Avoid inhaling of steam/aerosols. Change contaminated work wear and clean it before the next wearing. Preventive skin protection.

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) are recommended to avoid skin contact.

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. The glove must be impermeable and resistant to the product. Choose glove material depending on the respective breach times, permeation rates and degradation.

#### ☉ Eye protection

Tightly sealed goggles.

#### ☉ Personal protection

Protective work wear.

#### ☉ Environmental exposure controls

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

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## Section 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

☉ Appearance	soild, powder
☉ Colour	black
☉ Ordour	mild
☉ Odor threshold	not available

	Ⓢ pH value	appr. 3,4 (10g/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
	Ⓢ Vapor pressure (50°C)	No data available
	Ⓢ Bulk density (20°C)	appr. 400 – 600 kg/m <sup>3</sup>
	Ⓢ 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

**Section 10**

None.

10.1	Reactivity	No hazardous reaction when using according to regulations.
10.2	Chemical stability	No decomposition when using according to regulations.
10.3	Possibility of hazardous reactions	Reactions with strong oxidizing agents. Risk of dust explosion
10.4	Conditions to avoid	No data available.
10.5	Incompatible materials	Oxidants.
10.6	Hazardous decomposition products	Sulfur oxide (SO <sub>x</sub> ), nitric oxide (NO <sub>x</sub> )

**Section 11 Toxicological information**

11.1

Acute toxicity

 Classification relevant LD/LC50-values (values in literature)

No data available

 Primary irritations

Skin: slight irritations

Eye: irritant

After inhalation: slight irritations

 Sensitization

No sensitizing effects known.

 Cancerogenity

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).

 Mutagenicity

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

 Reproductive toxicity

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

 Further information

The substance is classified according to regulation (EC)1272/2008 Annex 1 or rather to Directive (EC) 67/548.

After ingestion: slight irritations

Further hazardous properties cannot be excluded. If handled with care, exposure is unlikely.

**Section 12 Toxicological information**

12.1

Toxicity

No data available.

12.2

Persistence and degradability

No data available.

12.3

Bioaccumulative potential I

No data available.

12.4

Mobility in soil

No data available for the product itself.

12.5 Results of PBT- and vPvB-assessment

No data available.

12.6 Other adverse effects

Do not allow enter waters, waste waters or soil. Danger for drinking water. Water hazard class 2 (self-rating); hazardous to water. In case of leakage: Small quantities are already contaminants to drinking water.

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## Section 13 Disposal considerations

13.1 Waste treatment methods

Product residues have to be disposed by authorized companies only.  
Do not dispose of the product with ground water/ waters or canalization.

 Waste key number

59305 g (ÖNORM S 2100); Waste key number

 Waste name

Laboratory waste and chemical residues

 European waste catalogue

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

Notice: 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.

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## Section 14 Transport Information

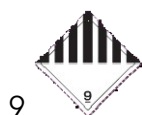
14.1 UN-Number

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

None.

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

IBC08; EmS: F-A, S-F




## 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 alloy is classified according to regulation (EC)1272/2008 or rather to Directive (EC) 67/548 and is based upon manufacturer's data.

### National regulatory

Austria:

-  Labelling according to BGBl II 2000/81 ChemV 1999.  
The product is classified and requires hazards identification.
-  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:

-  Classification in water hazard classes according VwVwS dated 17.05.1999/Annex 3 (self assessment).  
2 (water hazardous)

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 R-Phrases

R 36	Irritating to eyes.
R 51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

☉ Relevant H-Phrases

H319	Causes serious eye irritation
H411	Toxic to aquatic organisms with long-term adverse effects.

☉ Relevant hazard classification

Eye irr. 2	Serious eye irritation category 2
Aqu. chron. 2	Chronically water hazardous category 21
Issue	Number 2.1 replaces Number 2 dated 17.02.2011 Amendments: 1.4, 2.2, 8.1, 8.2, 9.1, 11.1.

☉ Written by

UmEnA GmbH

☉ Translated by

Wapotec GmbH

☉ Short cuts

n. t. not tested  
n.a. not applicable

PBT persistent, bio-accumulative, toxic  
vPvB high persistent, high bio-accumulative  
ECHA European Chemicals Agency  
<http://www.echa.eu>)