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

- 1.1 Product identifier
- Trade name **WAPOTEC[®] Dye**
- Substance Chrome black (Chromogen black, Eriochrome black T)
- Index-Number ---
- CAS-Nr. 1787-61-7
- 1.2 Use of substance Indicator
- 1.3 Supplier TCDO Produktionsgesellschaft mbH
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2 Hazards identification

- 2.1 Classification of the substance or mixture
-  according to Directive (EC) N° 1272/2008
- Serious eye irritation cat. 2**
Chronically water hazardous cat. 2
- H319 Causes serious eye irritation.
H411 Toxic to aquatic organisms with long-term adverse effects.
-  according to Directive (EC) N° 1999/45
- Xi** (Irritant)
N (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 continuously 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° 1999/45

**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 26	After eye contact, rinse out eyes thoroughly with water and consult physician.
S 61	Avoid release to the environment. Get special instructions/Refer to safety data sheet.

2.3 Other hazard information

Unknown.

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 / ---

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.

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

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

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 point 13).

6.4 Reference to other clauses

Protective measures see point 8
Disposal see point 13

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

Material incompatibility.

Recommended storage temperature

No recommendation.

VbF class

Not applicable.

7.3 Specific end uses

Indicator

8 Exposure controls/personal protection

8.1 Control parameters

MAK-Values

Name		TMW* [mg/m ³]	KZW* [mg/m ³]	Exposure period [min]
Dust limit acc. GKV 2007(A): Inhalable fraction Alveolar fraction	MAK	10 5	20 10	2x 60 (MIW) 2x 60 (MIW)
acc. TRGS 900 (G): Inhalable fraction Alveolar fraction		10 3		

*TMW Tagesmittelwert (daily mean value)

KZW Kurzzeitwert (Short term value)

MIW Mittelwert (mean value)

8.2 Exposure controls

General protective and hygiene measures

Keep away from food and drink.

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

Avoid eye and skin contact.

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.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	solid
Colour	black
Odour	mild
Flash point	n. a.
Flammability	Not flammable
Explosion risk	Not explosive
Vapour pressure at 20°C	20 hPa
Density at 20°C	n. u.
pH value (10g/l) at 20 °C	ca. 3,4
Solubility in water at 20°C	50 g/l
pH value (10g/l) at 20 °C	2 g/l
Bulk density at 20°C	ca. 400 – 600 kg/m ³

9.2 Other information

None.

- 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_x), nitric oxide (NO_x)





11 Toxicological information

- 11.1 Acute toxicity
- Classification relevant LD/LC50-values of individual components
No data available
 - Primary irritations
Skin: slight irritations
Eye: irritant
After inhalation: slight irritations
 - Sensitisation
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).
 - Further information
After ingestion: slight irritations
Further hazardous properties cannot be excluded. If handled with care, exposure is unlikely.

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.

13 Disposal considerations

- 13.1 Waste treatment methods
Do not dispose of the product with domestic waste. Do not enter in canalization.
-  Waste key number
59305 g (ÖNORM S 2100); Waste key number
-  Waste name
Laboratory waste and chemical residues
-  European waste catalogue
1 600506* (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.

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



14.4 Packing group

III

14.5 Environmental hazards



14.6 Special precautions for the user

None.

14.7 Special precautions for the user

IBC08; EMS: F-A, S-F



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
This product is classified hazardous according to the Austrian chemical legislation of 1996.
-  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.



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 a guidance for safe handling. Categorisation according to Annex VI of regulation CLP (EC)1272/2008.

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 Replaces Number 1 dated 11.03.2009 Modification to Directive (EC) Number 453/201 Amendments points 1, 2, 13.

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Translated by

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Short cuts

n. t. not tested
not app. not applicable



WAPOTEC®Dye

