

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.09.2024

Version number 9 (replaces version 8)

Revision: 04.09.2024

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

- **1.1 Product identifier**
- **Trade name:** Tetra Test NO₃ , testpowder
- **Article number:** 112.698
- **CAS Number:**
7440-66-6
- **EC number:**
231-175-3
- **Index number:**
030-001-01-9
- **Registration number** 01-2119467174-37-XXXX
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Test powder for aquarium water
Test powder for garden ponds
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Tetra GmbH
Herrenteich 78
D-49324 Melle
Germany
- **Importer**
Spectrum Brands (UK) Ltd.
Fir Street, Failsworth, Manchester, M35 0HS
England
+44 (161) 9473000
- **Informing department:**
Regulatory Department
Tel. +49(0)5422-105-0
email: MSDS@eu.spectrumbrands.com
- **1.4 Emergency telephone number:**
24-hour-Emergency-Telephone-Number (Company/Contract ID code:"TTR")
+1 872 5888271
National Health Service (NHS): 111

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

- Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

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Revision: 04.09.2024

Trade name: Tetra Test NO₃, testpowder

(Contd. of page 1)

· Hazard pictograms



GHS09

· Signal word *Warning*

· Hazard statements

H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

*P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P103 Read carefully and follow all instructions.**P501 Dispose of contents/container in accordance with national regulations.*

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: *no*· vPvB: *no*· Determination of endocrine-disrupting properties *no*

SECTION 3: Composition/information on ingredients

· 3.1 Substances

· CAS No. Designation:

7440-66-6 zinc powder -zinc dust (stabilized)

· Identification number(s):

· EC number: *231-175-3*· Index number: *030-001-01-9*

· M-factor

*Aquatic Acute: 1**Aquatic Chronic: 1*· Nanofom *The mixture does not contain any nanoparticles.*

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· After inhalation *Supply fresh air; consult doctor in case of symptoms.*· After skin contact *The product is not skin irritating.*· After eye contact *Rinse opened eye for several minutes under running water.*· After swallowing *In case of persistent symptoms consult doctor.*· 4.2 Most important symptoms and effects, both acute and delayed *No further relevant information available.*

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents

*Special powder for metal fires. Do not use water.**Use fire fighting measures that suit the environment.*· For safety reasons unsuitable extinguishing agents *Water.*

· 5.2 Special hazards arising from the substance or mixture

The fine dust of the substance may form explosive mixtures with air.

(Contd. on page 3)

Safety data sheet

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Version number 9 (replaces version 8)

Revision: 04.09.2024

Trade name: Tetra Test NO_x, testpowder

(Contd. of page 2)

- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid causing dust.
Keep away from ignition sources
- **6.2 Environmental precautions:**
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Any deposit of dust which cannot be avoided must be removed regularly.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Dust can combine with air to form an explosive mixture.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:**
Do not store together with oxidising and acidic materials.
Store away from flammable substances.
- **Further information about storage conditions:** Protect from humidity and keep away from water.
- **Storage class 11**
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** Wash hands during breaks and at the end of the work.
- **Breathing equipment:** Not required.
- **Hand protection**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, e.g. KCL 740 Dermatril® (full contact), KCL 740 Dermatril® (splash contact).
- **Material of gloves**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.11 mm

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.09.2024

Version number 9 (replaces version 8)

Revision: 04.09.2024

Trade name: **Tetra Test NO₂**, testpowder

(Contd. of page 3)

- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- For the mixture the penetration time has to be at least 480 minutes (permeation according to EN 374 Part 3: Level 6).
- **Eye/face protection** Not required.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

- | | |
|--|--|
| <ul style="list-style-type: none"> · Physical state · Colour: · Odour: · Odour threshold: · Melting point/freezing point: · Boiling point or initial boiling point and boiling range · Flammability · Lower and upper explosion limit · Lower: · Upper: · Flash point: · Decomposition temperature: · pH · Viscosity: · Kinematic viscosity · dynamic: · Solubility · Water: · Partition coefficient n-octanol/water (log value) · Vapour pressure: · Density and/or relative density · Density at 20 °C · Relative density · Settled apparent density · Vapour density · Particle characteristics | <ul style="list-style-type: none"> Solid. Silver-coloured Odourless Not determined. 420 °C Not determined Product is not inflammable. Testing can be waived because substance is a solid. Testing can be waived because substance is a solid. Testing can be waived because substance is a solid. Not determined. Mixture is non-soluble (in water). Testing can be waived because substance is a solid. Testing can be waived because substance is a solid. Unsoluble Not determined. Not applicable. 7.1 g/cm³ Not determined. 2.5 - 3.5 kg/m³ Not applicable. See section 3. max. 5% > 0,1 mm; min. 80% > 0,045 mm; max. 15% < 0,045 mm |
|--|--|

· 9.2 Other information

- | | |
|---|---|
| <ul style="list-style-type: none"> · Appearance: · Form: · Important information on protection of health and environment, and on safety. · Self-inflammability: · Explosive properties: · Solids content: · Molecular weight · Change in condition · Evaporation rate | <ul style="list-style-type: none"> Solid. Not determined. Product is not explosive. 100.0 % 65.39 g/mol Not applicable. |
|---|---|

· Information with regard to physical hazard classes

- | | |
|--|--|
| <ul style="list-style-type: none"> · Explosives · Flammable gases · Aerosols · Oxidising gases | <ul style="list-style-type: none"> Void Void Void Void |
|--|--|

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.09.2024

Version number 9 (replaces version 8)

Revision: 04.09.2024

Trade name: **Tetra Test NO₃**, testpowder

(Contd. of page 4)

· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Risk of dust explosion
Reacts with acids, alkalis and oxidizing agents
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

Substance is not listed.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Contd. on page 6)

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Trade name: Tetra Test NO₃⁻, testpowder

(Contd. of page 5)

- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key number:** Waste key numbers are to be determined according to the specific process.

· **European waste catalogue**



HP14	Ecotoxic
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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN number or ID number · ADR, IMDG, IATA | UN3077 |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA | 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc powder -zinc dust (stabilized))

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc powder -zinc dust (stabilized)), MARINE POLLUTANT

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc powder -zinc dust (stabilized)) |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG, IATA | <div style="display: flex; align-items: center; gap: 10px;">   </div> |
| <ul style="list-style-type: none"> · Class · Label | 9 Miscellaneous dangerous substances and articles.
9 |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | III |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): | Yes
Symbol (fish and tree)
Symbol (fish and tree) |

(Contd. on page 7)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

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Trade name: Tetra Test NO₃, testpowder

(Contd. of page 6)

· Special marking (IATA):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
· Kemler Number:	90
· EMS Number:	F-A,S-F
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5 kg
· Transport category	3
· Tunnel restriction code	(-)
· IMDG	
· Limited quantities (LQ)	5 kg
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER -ZINC DUST (STABILIZED)), 9, III

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning
- **Hazard statements**
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P501 Dispose of contents/container in accordance with national regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **Seveso category E1** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

(Contd. on page 8)

Safety data sheet

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Trade name: Tetra Test NO_x, testpowder

(Contd. of page 7)

· **Regulation (EC) No 273/2004 on drug precursors**

Substance is not listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

· **National regulations**

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

This product does not contain any substances of very high concern pursuant to Reach Regulation (EC) No. 1907/2006 (Art. 57) above the legal concentration limit of $\geq 0.1\%$ (w/w).

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Department issuing data specification sheet:**

Tetra GmbH
Herrenteich 78
49324 Melle
Germany

· **Contact:**

Tetra GmbH
Tel.: +49(0)5422105-0

· **Date of previous version:** 16.11.2022

· **Version number of previous version:** 8

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1

· *** Data compared to the previous version altered.**