

SAFETY DATA SHEET



In accordance with Regulations (EC) No. 1907/2006

Version v1.4; Revision of 29-4-2024; Date of print: 29-4-2024

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

1.1 Product identifier: **TK20 Chromium-6 Neutralizer**

Product number: TK20-F01

Supplier: MATinspired B.V.

REACH Number: A registration number is not available for this substance because the substance or use is excluded for registration, because for the annual volume no registration is required or because the registration is foreseen with a later registration deadline

1.2 Relevant identified uses of the substance or mixture and uses advised against

For the reduction/removal of chromium-6 contaminations on metals

1.3 Details of the supplier of the safety data sheet

Supplier: MATinspired B.V.

Ericssonstraat 2

NL-5121 ML Rijen

The Netherlands

Telephone number: +31 85 30 36 411

E-mail: info@matinspired.com

1.4 Emergency telephone number:

To be contacted by medical personnel 24 hours per day, throughout the year:

+31 (0) 88 755 8000, National Poisons Information Centre (NVIC), Utrecht, The Netherlands.

Only for the purpose of informing medical personnel in case of acute intoxications.

2. Hazards identification

2.1 Classification of the substance or mixture in accordance with Regulation (EC) No 1272/2008

| Classification | Hazard category | Hazard statement |
|----------------|-----------------|------------------|
| Eye irritation | Category 2 | H319 |

2.2 Label elements in accordance with Regulation (EC) No. 1272/2008

Hazard pictograms



Signal word: Warning

Hazard statements

H319 Causes serious eye irritation

Precautionary statements

P264 Wash exposed skin thoroughly after handling

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.

UFI: D0X2-908V-V00J-VANS

2.3 Other hazards

None

3. Composition/information on ingredients

3.1 Composition:

Chemical characterisation: Mixtures

Description: Aqueous mixture

3.2 Mixture

| Component | Concentration | Product identification | CLP Classification |
|-------------------------|---------------|------------------------|--------------------|
| Water (demineralised) | 85 – 95% | CAS: 7732-18-5 | - |
| Citric acid monohydrate | 5 – 15% | CAS: 5949-29-1 | Eye Irrit. 2, H319 |

Surfactant <1%

Further information:

For the full text of the hazards mentioned here, see Section 16

4. First aid measures

4.1 Description of first aid measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After inhalation: Allow affected person to breathe fresh air. Allow the victim to rest.

After skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: carbon oxides (CO, CO₂).

Non-combustible.

5.3 Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective device.
- Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Contain escaping vapours with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Protective equipment: Safety glasses

Avoid substance contact.

Do not inhale steams/aerosols.

6.2 Environmental precautions

Do not allow to enter sewers/ground water/soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, gravel, sawdust, universal binder).

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection

See Section 13 for information on waste disposal

7. Handling and storage

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage

Keep container closed when not in use.

Incompatible products: Strong bases. Strong oxidizers.

Incompatible materials: Sources of ignition. Direct sunlight

7.3 Specific end use(s)

No relevant information

8. Exposure controls/personal protection

8.1 Control parameters

Not applicable

8.2 Exposure controls

Appropriate engineering controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation

8.3 Individual protection measures/Personal protective equipment

Personal protective equipment: Gloves. Safety glasses

Hand protection: Wear protective gloves, such as nitrile gloves.

Eye protection: Chemical goggles or safety glasses

Respiratory protection: Respiratory protection not required in normal conditions

Other information: Do not eat, drink or smoke during use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------|--|
| Appearance | Clear light red liquid |
| Odour | Slight |
| pH | 1-2 |
| Melting point | Not determined |
| Boiling point | Not determined |
| Flash point | Not applicable |
| Ignition temperature | Not applicable |
| Auto-ignition | The product does not auto-ignite |
| Explosion hazard | Not applicable |
| Explosion limits | The product does not present an explosion hazard |
| Vapour pressure | Not determined |
| Density | Not determined |
| Solubility in water | Completely soluble |
| Viscosity | |
| Dynamic | Not determined |
| Kinematic | Not determined |

9.2 Other information

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Not established

10.3 Possibility of hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures

10.5 Incompatible materials

Strong oxidizers. Strong bases.

10.6 Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide

11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity:

Not classified

Primary irritant effect:

Not classified

12. Ecological information

12.1 Toxicity

LC50 fish 1: 440 mg citric acid/l

EC50 Daphnia 1 1534 mg/l

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

12.6 Other adverse effects:

No further relevant information available

13. Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with location/nation regulations.

Ecology – waste materials: Avoid release to the environment

14. Transport information

Land transport (ADR/RID)

Not regulated

Sea transport (IMDG)

Not regulated

Air transport (ICAO-TI / IATA-DGR)

Not regulated

15. Regulatory information

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

German Water Hazard Class: slightly hazardous to water (WGK 1)

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

16. Other information

Full text of H-Statements referred to under section 2 and 3

H319 Causes serious eye irritation

Abbreviations

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European agreement concerning the International Carriage of Dangerous Goods by Road)

DGR: Dangerous Goods Regulations

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization-Technical Instructions

IMDG: International Maritime Code for Dangerous Goods

PBT: Persistent, Bioaccumulative and Toxic

RID: Regulation concerning the international Carriage of Dangerous Goods by Rail

vPvB: very Persistent, very Bioaccumulative

Disclaimer

The information in these safety data sheets is based on our current knowledge, and is considered correct at the time of publication. However, no indication is given related to their accuracy and completeness. The

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