

Revision date: 30.05. 2018

1. Substance/mixture identification

1.1 Product identification

Product name: Hardness reagents for use with online hardness analyzers

Reagent type: **TH5001/TH5003/TH5010/TH5030/TH5050/TH5100**

CAS-No: -

Index number. -

EC-No. European Commission No. : -

EU Regulation "Registration, Evaluation, Authorisation and Restriction of Chemicals" No.: -

Other identification information:None

1.2 Mixture-related uses or contraindications

Purpose: **T o b e** used in conjunction with an online water hardness analyser to measure the concentration of total hardness in water **Contraindications:** None

Reason: -

1.3 Supplier details

JENSPRIMA INSTRUMENTS LIMITED

Contact details

info@jensprima.com

2. Hazard identification

According to Commission Regulation No. 1272/2008 (CLP)

H 319: Causes severe eye irritation

H 315: Causes skin irritation

H 335: Causes respiratory irritation

Additional information:For more

information on H and EUH, please

see section 16

2.2 Tags

labelled in accordance with the relevant Commission Regulation (Regulation No.

1272/2008 (CLP/GHS))

Product
identification
information:
substance.

Index
number:
Authoriz
ation
number.

Mixture: TH5001-TH5100 Water Hardness Test Reagent

Hazard symbols



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GHS07 315 Signal:

Attention hazard

statement.

H 319 Severe eye irritation

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H 315 Skin irritation

H 335 Causes respiratory irritation

Statement of Precautions

P233 Keep the container airtight.

P261 Avoid inhalation of dust/fume/gas/mist/vapour/spray. P262

Avoid getting reagent in eyes, on skin or clothing. P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke while using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Supplemental

hazard application

(EU): none

Additional Tags

None

2.3 Other hazards





None

3. Ingredient composition/information

3.1 Material

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3.2 Mixtures

Label Hazardous Ingredients		
CAS: 3564-14-5 EINECS: 222-639-6	Eriochromblauschwarz B Chrome Blue  Black B Eye Irrit. 2, H319	<2,5 %
CAS: 14402-88-1	Dinatrium-((N,N'-ethylenbis(N-(carboxymethyl)glycinato)) (4-)-N,N',O,O',ON,ON') magnesat(2-ethylenediaminetetraacetic acid disodium magnesium salt  Eye Irrit. 2, H319	< 2,5 %
CAS: 77-86-1 EINECS: 201-064-4	Amino-tris(hydroxymethyl)-methan tris(hydroxymethyl) aminomethane  Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2,5 %
CAS: 547-58-0 EINECS: 208-925-3	Natrium-4-(4-dimethylaminophenylazo) benzolsulfonat methyl orange  Acute Tox. 3, H301	<2,5 %

Additional information.

See section 16 for full details on H and EUH

4. First aid measures

4.1 Declaration of first aid measures

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Basic information

Replace soiled and contaminated clothing and consult your doctor if you have any problems. **After inadvertent inhalation**

Get fresh air **and** consult your doctor if you have any problems.

After skin contact

Wash immediately with water and soap and consult a doctor if there are any problems.

After eye contact

Rinse eyes under running water for a few minutes. If you have any questions, please consult your doctor

After inadvertent swallowing

Rinse your mouth with water and do not drink large amounts of water. Avoid vomiting. Assign someone to watch over you and consult your doctor if you have any problems.

4.2 The most serious symptoms and effects under emergency or delay

Skin irritation and eye irritation

4.3 Indication of immediate medical attention and special treatment needs

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5. Fire-fighting methods

5.1 Suitable extinguishing media

Water spray, powder spray, CO₂, alcohol resistant foam

5.2 Special hazards caused by the substance or mixture.

None

5.3 Notes for Firefighters

Use self-contained breathing apparatus.

Prevent fire water from entering surface or ground water.

5.4 Additional Information

None

6. Accidental release measures

6.1 Personal protective measures, protective equipment and emergency procedures

Avoid inhalation of vapours and contact with the product. Avoid skin contact with the product.

Wear personal protective equipment.

6.2 Environmental precautions

Avoid product entry into groundwater, surfaces and sewers

6.3 Methods and materials for containment and clean-up

Absorb the product with sand, acidic adhesives and other bonding materials.

Dispose of collected material as specified. Heat and clean the area water.

6.4 Refer to other sections

Part VII, Section 7: Handling and Storage

Kapitel 13: Handling considerations

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7 Handling and storage

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7.1 Recommendations for safe handling. Close the bottle after use.

Store only in clean bottles. Ensure that the workplace is well ventilated. Prevent the formation of aerosols.

Do not eat or drink in

7.2 the work area. Wash your hands after use.

Replace heavily contaminated clothing. Ensure fresh air in the workplace.

Precautions to avoid fire and

explosion. Ensure fresh air in the storage room.

7.3 Handling tips.

No further requirements.

Storage conditions.

If not in use, keep the bottle sealed. Avoid heat and sunlight.

Specific use.

Storage temperature: 15-25° C recommended

8. Exposure control and personal protection

Additional information on the design of technical facilities.

No more data available, please see part 7

8.1

Control parameters.

Products with limit values that need to be monitored in the workplace.

The product does not contain any relevant quantities of material for critical values that must be monitored in the workplace.

Additional information

Use within the stated expiry date

8.2 Exposure control, PPE

General protection and hygiene measures.

Keep away from food, drink and feed.
Change all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

Respiratory protection.

No need, don't breathe the steam.

Hand protection

The material of the gloves must be impermeable and resistant to the product/substance/preparation

Due to lack of testing, no recommendation can be given for glove material

For products/preparations/chemical mixtures

Selection of suitable gloves based on penetration time, diffusion and rate of ageing

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material

The choice of suitable gloves depends not only on the material but also on other qualities, which vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be checked before use.

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Glove material penetration time.

The exact penetration time must be provided by the manufacturer of the protective gloves and must be adhered to.

Eye protection



Sealed goggles

9. Physical and chemical properties

9.1 Appearance of information on basic physical and chemical properties

Physical State: Fluid
Colour: Green
Odour: None
Odour threshold: : None
pH-(20 °C) : 10
Melting point: None
Flash point: None
Ignition temperature: : 290 °C, non-automatic ignition
Explosion hazard: No explosion hazard

9.2 Other safety information

Avoid exothermic reactions with acids, anhydrides, halogenating agents, auxiliaries, nitrile, oxidising agents by intense heating.

10. Stability and responsiveness

10.1 Reaction

No data available

10.2 Chemical stability

More than two years

10.3 Potential for hazardous reactions

No data available No data available

10.4 Conditions to avoid

Powerful heating

10.5 Incompatible materials

Acids, nitrites, reagents that cause nitrosation. Do not use aluminium, copper or other alloy tools.

11.

toxicological information

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No data available

11.
toxicological
information

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No data

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12. Ecological information

No data available

13. Handling Notes

13.1 Waste disposal methods

Do not mix with household waste. Do not allow the product to reach the sewage system.

Disposals must be carried out in accordance with official regulations.

Uncleaned packaging must be disposed of in accordance with official regulations.

Waste disposal solutions

No data available

Waste must be disposed of in accordance with official laws and regulations

Additional information

None

14. Transport information

14.1 Overland transport

ADR/RID

In summary, there is no danger.

14.2 Sea freight, IMDG-code

In summary, there is no danger.

14.3 Air Freight ICAO-TI / IATA-DGR

In summary, there is no danger.

14.4 Special considerations for users

None

14.6 Labelling of contaminants

ADR/RID

.IMDG-Code -

ICAO-TI -

IATA-DGR: ☒ ja ☐ nein

Marine pollutant: ☒ ja ☐ nein

14.7 For bulk shipments in accordance with MARPOL-73/78 Annex II and IBC rules.

Unsuitable

15. Laws and regulations

15.1 EU Regulations

This mixture is subject to Regulation (EC) No. 1907/2006

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Water Hazard Level: WGK 2, discretionary

Other legislation

None

15.2 Chemical Safety Assessment

None

16 Other information

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Change instructions

According to Regulation (EC) No. 1272/2008 (EU-GHS/CLP)

Key literature references and sources

Registration, Evaluation, Authorization and Restriction of Chemicals

Classification of mixtures and hazard statements for use of
assessment methods according to (EC) Regulation **1207/2008**

H 319: Causes severe

eye irritation H 315:

Causes skin irritation

H 335: Causes respiratory irritation

Precautionary statement

P233 Keep the container airtight.

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dust/fume/gas/mist/vapour/spray. P262

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or clothing. P264 Wash thoroughly

after handling.

P270 Do not eat, drink or smoke while using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Additional Information

The above information has been compiled on the basis of our current knowledge. It does not, however, constitute a guarantee of any specific product characteristics, nor does it constitute a legal contractual relationship.