1. Identification ofthe substance/mixture and ofthe company/undertaking

1.1 Product identifier:

Mixtures:
Trade names:

TC5010/TC5015/TC5020/TC5030

CAS-No.: -
Index-No.: -
EC-No.: -
REACH-Registration-No.: -
Other means of identification: None

1.2 Relevant identifieduses of the mixture and uses advised against

Use: Reagent for water Alkalinity measurement
Against: None
Reasons: -

1.3 Details ofthe supplier of the Safety Data Sheet

JENSPRIMA INSTRUMENTS LIMITED
Chase Business Centre, 39-41 Chase Side, London N14 5BP,UK

Information contact:
Technical Department
info@jensprima.com

E-Mail / web
E-Mail: info@jensprima.com / Web: www.jensprima.com

1.4 Emergency Telefon Number:

Tel:+44-203-4681833

2. Hazards identification

2.1 Classification ofthe mixture

Classification according to regulation (EC) No 1272/2008 (CLP)

H 319: causes serious eye irritation
H 315:causes skin irritation
H 335: May cause respiratory irritation

Additional information:
Full text of H-and EUH-phrases see section 16

2.2 Label elements

Labeling according to Regulation (EC) Nr. 1272/2008 (CLP/GHS)
Product identifier:
Substances: -
Index No
Authorisation No

Mixture: TC50xx, Reagent for water Alkalinity measuremen

Hazard pictograms

GHS07315Signal word: Attention

Hazard statements:
H 319 causes serious eye irritation
H 315 causes skin irritation
H 335 May causes respiratory irritation

Precautionary statements:

P233 Keep container tightly closed.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Supplemental Hazard information (EU):

None

Additional labelling

None

2.3 Other hazards

None

3. Composition / information on ingredients

3.1 Substances

3.2 Mixtures

Hazard components for labeling:		
CAS: 57-55-6 EINECS: 231-595-7 REACH-Nr.:01-2119456809-23	*Propane-1.2-diol*	50-100%
CAS: 7647-01-0 EINECS: 231-595-7 REACH-Nr.:01-2119484862-27	Hydrochloric acid Skin Corr. 1B/H314 Ss STOT SE 0.1-3/H335	0.1-< 2.5%

Additional information:
Full text of H-and EUH-phrases see section 16

4. First aid measures

4.1 Description of first aid measures

General information:
Change contaminated clothes.
Consult doctor in case of complaints.
Following inhalation:
Supply fresh air, consult doctor in case of complaints.
Followingskin contact:
Wash immediately with water and soap.
Consult doctor in case of complaints.
Followingeye contact:
Rinse open eye for some minutes under running water. Consult doctor in case of complaints.
Followingswallowing:
Rinse out mouth with water and than drink plenty of water. Avoid vomiting.
Turn a person onto their side. Consult doctor in case of complaints.

4.2 Most important symptoms and effects, both acute and delayed

Skin irritation, eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

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5. Firefighting measures

5.1 Suitable extinguishing media:

Water spray, powder spray, CO2, alcohol resistant foam

5.2 Special hazards arising from the substance or mixture:

No datas available

5.3 Advice for fire fighters:

Use self contained breathing apparatus.
Prevent fire-fighting water from entering surface water or ground water.

5.4 Additional information:

None

6. Accidental release measures

6.1 Personal precautions, protective equipmentand emergenency procedures

Avoid inhalation of vapors and contact with the product.
Avoid skin contact with the product.
Wear personal protection equipment.

6.2 Environmental precautions

Avoid the product to enter groundwater, surface and sewers

6.3 Methods and material for containment and cleaning up

Absorb the product with binding materials as sand, acid binders and so on.
Dispose the collected material according to regulations. Clean the area carefully with warm water.

6.4 Reference to other sections
Section 7: Handling and storage
Kapitel 13: Disposal considerations

7 Handling and storage

7.1 Advice on safe handling:
Close bottle after use.
Store only in pristine bottles.
Ensure good ventilation at the work place.
Prevent formation of aerosols.
Do not eat or drink in working areas.
Wash your hands after use.
Change heavy contaminated clothes.
Ensure fresh air at the working place.

7.2 Precautions to avoid fire and explosions:
Supply fresh air to the storage.

Hints for handling:
No further requirements.

Information about storage conditions:
7.3
Keep bottles sealed, if not in use.
Avoid heat and sunlight.

Specific end uses
Storage temperature:Recommended 15 - 25 °C

8. Exposure controls and personal protection
Additional information about design of technical facilities:
no further data, see item 7.

8.1 Control parameters:
Components with limit values that require monitoring at the workplace:
Hydrochloric acid IOLEV-Short-term exposure limit 15 mg/m3 , 10 ppm
CAS: 7647-01-0 IOLEV Long-term exposure limit 8 mg/m3 , 5 ppm

Additional information:
The lists valid during the making are used as basis.

8.2 Exposure controls, Personal protective equipment
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Remove all soiled and contaminated clothing immediately.
Wash hands before breaks and the end of work.
Avoid contact with eyes and skin.

Respiratory protection:
Not required, do not breath vapors.

Hand protection:
The material of the gloves has to be impermeable and resistant to the product / the substance / the preparation

Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:
The selection of suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As Product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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.

Eye protection:

Tightly sealed goggles 

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearence

Physical state: Fluid
Color:Orange
Odour:Specific
pH-(10g/l, 20 °C)
:2

Melting point: No data available
Flash point:No data available
Density (20℃): 1.03g/ cm 3
Water solubility/miscibility: completely miscible

9.2 Other safety information

Avoid strong heating
Exothermal reaction with acids, anhydrides, halogenating, agents, nitriles, oxidizing agent.

10. Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

More than 2 years

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions tobe avoided

Strong heating

10.5 Incompatible materials
Acids, nitrites, reagents causing nitrosation. Do not use tools of aluminium, copper or their alloys.

10.6 Gefährliche Zersetzungsprodukte
No data available

11. Toxicologicalinformation

No data available

12. Ecological information

No data available

13. Disposal consideration

13.1 Waste treatment methods

Must not be exposed together with household garbage.
Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
Uncleaned packaging has to be disposed according to official regulations.

Waste treatment options
No data available.
Disposal must be made according to official regulations.

Additional information
No data available

14. Transport information

14.1 Land transport
ADR/RID
Not dangerous according to the above specifications.

14.2 Maritim transport, IMGD-Code
Not dangerous according to the above specifications

14.3 Air transport,ICAO-TI / IATA-DGR
Not dangerous according to the above specifications

14.4 Special precautions for user
No

14.6 Labeling pollutant

ADR/RID–
IMDG-Code –
ICAO-TI -
IATA-DGR:☒ nein
Marine pollutant: ☒ nein

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

Not applicable

15. Regulatory information

15.1 EU regulations

This mixture fulfills the regulations of (EC) No. 1907/2006

Water hazard class: WGK 2, selfdetermined

Other regulations

No

15.2 Chemical Safety Assessment

No

16 Other information

Indication of changes

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

Key literature references and source of data

Reach informationens

Classification for mixtures and used evaluation method according to regulation (EC)1207/2008

Hazard statements

H 319 causes serious eye irritation
H 315causes skin irritation
H 335 May cause respiratory irritation

Precautionary statements

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P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash ... thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Additional information:
This information is based on our present knowledge.
However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.