according to Regulation (EC) No 1907/2006

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

Print date: 03.02.2020 Product code: K-1XXTM-N Page 1 of 5

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

1.1. Product identifier

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

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

1.3. Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds

Biomedizinische Forschungsreagenzien GmbH

Street: Heinrich-Glaeser-Strasse 10-14

Place: D-01454 Radeberg
Telephone: +49 3528 4041 60

Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 65 e-mail: info@abx.de

e-mail: info@abx.de
Internet: http://www.abx.de

1.4. Emergency telephone +49 3528 4041 60

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: C - Corrosive

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

2.2. Label elements

Signal word: Danger Pictograms: GHS05



Hazard components for labelling

sodium hydroxide; caustic soda

Hazard statements

P310

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face 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. Immediately call a POISON CENTER/doctor.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

according to Regulation (EC) No 1907/2006

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

Print date: 03.02.2020 Product code: K-1XXTM-N Page 2 of 5

Hazardous components

| EC No | Chemical name | Quant |
|--------------|---|----------|
| CAS No | Classification according to Directive 67/548/EEC | |
| Index No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| REACH No | | |
| 215-185-5 | sodium hydroxide; caustic soda | 5 - < 10 |
| 1310-73-2 | C - Corrosive R35 | |
| 011-002-00-6 | Skin Corr. 1A; H314 | |

Full text of R, H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with: Water. Subsequently wash off with: Polyethylene glykol 400. Remove contaminated, saturated clothing immediately.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Hazards identification: Stomach perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Suitable extinguishing media: Water. Extinguishing powder. Foam. Carbon dioxide (CO2).

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.



according to Regulation (EC) No 1907/2006

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

Print date: 03.02.2020 Product code: K-1XXTM-N Page 3 of 5

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Further information on storage conditions

Maximum storage temperature: + 30 °C

Protect against: Light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m³ | fibres/ml | Category | Origin |
|-----------|------------------|-----|-------|-----------|---------------|--------|
| 1310-73-2 | Sodium hydroxide | - | 2 | | STEL (15 min) | WEL |

8.2. Exposure controls

Occupational exposure controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: odourless

Test method

pH-Value (at 20 °C): >11

Changes in the physical state

Water solubility: easily soluble.

SECTION 10: Stability and reactivity

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Irritation and corrosivity

after ingestion: Irritation and etching. Hazards identification: Stomach perforation.

 Revision No: 1,02
 GB - EN
 Revision date: 03.02.2020

according to Regulation (EC) No 1907/2006

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

Print date: 03.02.2020 Product code: K-1XXTM-N Page 4 of 5

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | |
|-----------|--------------------------------|----------------|----------------------|---------|--|
| | Aquatic toxicity | Method Dose | Species | h | |
| 1310-73-2 | sodium hydroxide; caustic soda | | | | |
| | Acute fish toxicity | LC50 45,4 mg/l | Onchorhynchus mykiss | 96 h | |

Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

| <u>14.1. UN number:</u> | 1824 |
|-------------------------|------|
|-------------------------|------|

14.2. UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es): 8 14.4. Packing group: Ш Hazard label: 8 C5 Classification code: Limited quantity: 5 L Transport category: 3 80 Hazard No: Tunnel restriction code: Ε

Inland waterways transport (ADN)

14.1. UN number: 1824

14.2. UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8Classification code:C5Limited quantity:5 L

Marine transport (IMDG)

14.1. UN number: 1824



according to Regulation (EC) No 1907/2006

K-1XXTM-N Reagent 1.1.5, NaOH-Solution 2,00 M

Print date: 03.02.2020 Product code: K-1XXTM-N Page 5 of 5

14.2. UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8Special Provisions:223Limited quantity:5 LEmS:F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

UN/ID number: 1824

14.2. UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es):814.4. Packing group:IIIHazard label:8Special Provisions:A3 A803Limited quantity Passenger:1 L

IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Relevant R phrases (number and full text)

35 Causes severe burns.

Relevant H and EUH statements (number and full text)

H314 Causes severe skin burns and eye damage.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

 Revision No: 1,02
 GB - EN
 Revision date: 03.02.2020