

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

1.1 Product identifier

Trade name: Neutralyt N 4

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

General use: Electrolytic marking technology, for aftertreatment, READY FOR USE
For industrial purposes only.

1.3 Details of the supplier of the safety data sheet

Company name: Schilling Marking Systems GmbH
Street/POB-No.: In Grubenäcker 1
Postal Code, city: 78532 Tuttlingen
Germany
WWW: www.schilling-marking.de
E-mail: info@schilling-marking.de
Telephone: +49 (0)7461 9472-0
Telefax: +49 (0)7461 9472-28
Dept. responsible for information:
Herr Andreas Schilling,
Telephone: +49 (0)7461 9472-0
Email: info@schilling-marking.de

1.4 Emergency telephone number

GIZ-Nord, Germany Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Eye Irrit. 2; H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

2.2 Label elements

Labelling (CLP)



Signal word:

Warning

Hazard statements:

H319 Causes serious eye irritation.

Safety precautions:

P264 Wash hands and face thoroughly after handling.
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.

P337+P313

If eye irritation persists: Get medical advice/attention.

Labelling (67/548/EEC or 1999/45/EC)

R phrase(s):

not applicable

Neutralyt N 4

Article number 22.104

Page: 2 of 8

S phrase(s): S 24/25 Avoid contact with skin and eyes.

Special labelling

Text for labelling: Contains anionic surfactants < 5%.

2.3 Other hazards

No risks worthy of mention.

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization: Watery tenside solution without dyestuff

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 207-838-8 CAS 497-19-8	Sodium carbonate	< 5 %	EU: Xi; R36. CLP: Eye Irrit. 2; H319.
REACH 01-2119489428-22-xxxx EINECS 270-115-0 CAS 68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	< 2 %	EU: Xn; R22. Xi; R41. Xi; R38. CLP: Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Dam. 1; H318.
NLP 500-213-3 CAS 68439-50-9	Alcohols, C12-14, ethoxylated	< 0.5 %	EU: Xn; R22. Xi; R41. N; R50. CLP: Acute Tox. 4; H302. Eye Dam. 1; H318. Aquatic Acute 1; H400.

SECTION 4: First aid measures**4.1 Description of first aid measures**

In case of inhalation: Move victim to fresh air. In case of respiratory difficulties seek medical attention.

In case of skin contact: Remove residues with soap and water.
Change contaminated clothing. In case of skin irritation, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth thoroughly with water. Give water to drink in small sips.
Never give anything by mouth to an unconscious person.
Do NOT induce vomiting. Risk of foam aspiration when vomiting.
Immediately get medical attention.**4.2 Most important symptoms and effects, both acute and delayed**

After eye contact: Reddening, pain

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Neutralyt N 4

Article number 22.104

Page:

3 of 8

5.2 Special hazards arising from the substance or mixture

In the event of a fire, the following may be produced when the water evaporates: Sodium compounds, sulphur oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of surrounding fires: Wear self-contained breathing apparatus.

Additional information:

Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent materials such as sand, siliceus earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

6.4 Reference to other sections

Refer additionally to chapter 8 and 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin and eyes.
Handle and open container with care. Do not mix with other chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed. Store at room temperature.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.
Do not store together with strong acids.

Storage class:

12 = Non-combustible liquids

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Additional information: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide adequate ventilation, and local exhaust as needed.

Neutralyt N 4

Article number 22.104

Page:

4 of 8

Personal protection equipment**Occupational exposure controls**

- Respiratory protection: With correct and proper use, and under normal conditions, breathing protection is not required.
- Hand protection: Recommendation:
Protective gloves according to EN 374.
Glove material: Nitrile rubber.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166.
- General protection and hygiene measures:
Wash hands before breaks and after work.
Have eye wash bottle or eye rinse ready at work place.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Appearance: Physical state: liquid
Colour: colourless
- Odour: odourless
- Odour threshold: no data available
- pH value: approx. 11.5
- Melting point/freezing point: no data available
- Initial boiling point and boiling range: no data available
- Flash point/flash point range: not combustible
- Evaporation rate: no data available
- Flammability: no data available
- Explosive properties: not explosive
- Explosion limits: no data available
no data available
- Vapour pressure: no data available
- Vapour density: no data available
- Density: at 20 °C: 1.01 g/mL
- Water solubility: at 20 °C: completely miscible
- Partition coefficient: n-octanol/water: no data available
- Auto-ignition temperature: no data available
- Thermal decomposition: no data available
- Viscosity, dynamic: no data available
- Explosive properties: no data available
- Oxidizing characteristics: no data available

9.2 Other information

- Additional information: no data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

see 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

Do not mix with other chemicals.

10.5 Incompatible materials

strong acids

10.6 Hazardous decomposition products

In the event of a fire, the following may be produced when the water evaporates: Sodium compounds, sulphur oxides, carbon monoxide and carbon dioxide.

Thermal decomposition: no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Eye damage/irritation: Eye Irrit. 2; H319 = Causes serious eye irritation.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Based on available data, the classification criteria are not met.
- Danger of foam aspiration.

Symptoms

After eye contact: Reddening, pain

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
Fish toxicity:
LC50 Brachydanio rerio (zebra-fish): 5,1 mg/L/96h (OECD 203).
LC50 Lepomis macrochirus (bluegill): 2,2 - 7,7 mg/L/96h.
Source: IUCLID.

12.2. Persistence and degradability

Further details: Information about Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
Biodegradation: 84 %/ 21 d (OECD 301 E). Easily bio-degradable.

Neutralyt N 4

Article number 22.104

Page:

6 of 8

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 11 01 07* = pickling bases

* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA: not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA: not applicable

14.4 Packing group

ADR/RID, IMDG, IATA: not applicable

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

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

no data available

Neutralyt N 4

Article number 22.104

Page:

7 of 8

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code: -

National regulations - EC member states**Labelling of packaging with <= 125mL content**

Signal word:

Warning

Hazard statements:

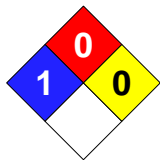
not applicable

Safety precautions:

not applicable

National regulations - USA

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 0 (Minimal)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 0 (Minimal)

Physical Hazard: 0 (Minimal)

Personal Protection: B

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	B

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information**Further information**

Wording of the H-phrases under paragraph 2 and 3:

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H400 = Very toxic to aquatic life.

Wording of the R-phrases under paragraph 2 and 3:

R 22 = Harmful if swallowed.

R 36 = Irritating to eyes.

R 38 = Irritating to skin.

R 41 = Risk of serious damage to eyes.

R 50 = Very toxic to aquatic organisms.

Reason of change:

General revision

Date of first version:

29.09.2008

Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No 453/2010

Revision date: 31.03.2014
Version: 4
Language: en-GB,IE
Date of print: 09.04.2014

Neutralyt N 4

Article number 22.104

Page: 8 of 8

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.