

Neutralyte N 10

Material number 22.110

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**SECTION 1: Identification of the substance/mixture
and of the company/undertaking****1.1 Product identifier**

Trade name: Neutralyte N 10

1.2 Relevant identified uses of the substance or mixture and uses advised againstGeneral use Electrolytic marking technology, aftertreatment.
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

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Dept. responsible for information:

Herr Andreas Schilling,

Telephone: +49 (0)7461 9472-15, Email: info@schilling-marking.de**1.4 Emergency telephone number****Beratungsstelle für Vergiftungserscheinungen, Berlin,
Telephone: +49 (0)30 19240****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

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

Xi; R41 Risk of serious damage to eyes.

2.2 Label elements

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



Xi

irritant

R phrase(s):	R 41	Risk of serious damage to eyes.
S phrase(s):	S 25	Avoid contact with eyes.
	S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S 39	Wear eye/face protection.

Text for labelling Contains anionic surfactants 5-15%, non-ionic surfactants <5%

2.3 Other hazards

No risks worthy of mention.

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SECTION 3: Composition/ information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterization (preparation):

Watery tenside solution (Concentrate)

Hazardous ingredients:

Ingredient	Chemical name	Content	Classification
EINECS 207-838-8 CAS 497-19-8 REACH 01-2119489428-22-xxxx	Sodium carbonate	10-25 %	EU: Xi; R36. CLP: Eye Irrit. 2; H319.
EINECS 270-115-0 CAS 68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	5-15 %	EU: Xn; R22. Xi; R41. Xi; R38. CLP: Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Dam. 1; H318.
EINECS 200-578-6 CAS 64-17-5	Ethanol	1-5 %	EU: F; R11. CLP: Flam. Liq. 2; H225.
NLP 500-234-8 CAS 68891-38-3	Sodium lauryl ether sulfate	1-5 %	EU: Xi; R 36/38 CLP: Skin Irrit. 2; H315. Eye Irrit. 2; H319.
NLP 500-213-3 CAS 68439-50-9	Alcohols, C12-14, ethoxylated	1-5 %	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**

After 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 seek the immediate attention of 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

No data available

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.

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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:

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 the substance. Wear suitable protective clothing.

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, siliceous 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.

Open and handle container with care. Do not mix with other chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store container tightly closed in a dry and cool place.

Hints on joint storage

Do not store together with strong acids or alkalis.

Storage class:

12= Non-combustible liquids

7.3 Specific end use(s)

Electrolytic marking technology, aftertreatment.

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

CAS No.	Chemical name	Type	Limit value
64-17-5	Ethanol	Great Britain: WEL-TWA	1920 mg/m ³ ; 1000 ppm

8.2 Exposure controls

Vapours/aerosols should be exhausted directly at the point of origin.

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Occupational exposure controls

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387.
- Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber or butyl caoutchouc (butyl rubber).
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166
- Body protection: Light protective clothing
- General protection and hygiene measures:
Change contaminated clothing.
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

- Physical state: liquid
Colour: colourless
Odour: characteristic
- Density: approx. 1,3 g/mL
pH value: 10,3
Water solubility: fully miscible

9.2 Other 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 dangerous reactions with proper and specified storage and handling

10.4 Conditions to avoid

Do not mix with other chemicals.

10.5 Incompatible materials

strong acids and alkalis

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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects Acute toxicity (oral): Based on available data, the classification criteria are not met.
May be harmful if swallowed.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
May cause irritations.
Eye damage / irritation: Eye Dam. 1; H318.
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.

General remarks

Information about Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
LD50 Rat oral 650 mg/kg (IUCLID).

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Information about Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts:
Algae toxicity:
EC50 *Scenedesmus subspicatus*: 43,2 mg/L/72h.
NOEC *Scenedesmus subspicatus*: 2,2 mg/L/72h.
Daphnia toxicity:
EC50 *Daphnia magna*: 1,62 mg/L/48h (OECD 202).
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.

Water Hazard Class: 2 = hazardous to water

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.

12.3 Bioaccumulative potential

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

not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Marine pollutant - IMDG: 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

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -

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National regulations - Germany

Storage class: 12= Non-combustible liquids

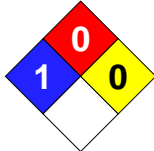
Water Hazard Class: 2 = hazardous to water

Informations on working limitations:

Observe employment restrictions concerning young persons.

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: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information**Further remarks**

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

R 11 = Highly flammable.

R 22 = Harmful if swallowed.

R 36 = Irritating to eyes.

R 36/38 = Irritating to eyes and skin.

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

Group that issues data sheet

Contact person: see chapter 1, department responsible for information.

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.