

Neutralyte N 10

Article 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 against

General use: Electrolytic marking technology, for aftertreatment, CONCENTRATE Mix in ratio 1:10 with deionised water
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
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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)**

Skin Irrit. 2; H315 Causes skin irritation.

Eye Dam. 1; H318 Causes serious eye damage.

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

Xi; R41 Risk of serious damage to eyes.

2.2 Label elements**Labelling (CLP)**Signal word: **Danger**

Hazard statements: H315 Causes skin irritation.
H318 Causes serious eye damage.

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Safety precautions:	P264	Wash hands and face thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of water/soap.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment (see 'First aid' on this label).
	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P362	Take off contaminated clothing.

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



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.

Special labelling

Text for labelling: Contains anionic surfactants 5-15%, non-ionic 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 (Concentrate)

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 207-838-8 CAS 497-19-8	Sodium carbonate	10 - 25 %	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	5 - 15 %	EU: Xn; R22. Xi; R41. Xi; R38. CLP: Acute Tox. 4; H302. Skin Irrit. 2; H315. Eye Dam. 1; H318.
REACH 01-2119457610-43-xxxx EINECS 200-578-6 CAS 64-17-5	Ethanol	1 - 5 %	EU: F; R11. CLP: Flam. Liq. 2; H225.
REACH 01-2119488639-16-xxxx NLP 500-234-8 CAS 68891-38-3	Sodium alkyl ether sulphate, C12-14	1 - 5 %	EU: Xi; R41. Xi; R38. R52-53. CLP: Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Chronic 3; H412.
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

- 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 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

irritant

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.

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.

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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:
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)

No information available.

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

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m ³ ; 1000 ppm 1000 ppm

8.2 Exposure controls

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

Personal protection equipment**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**

Appearance: Physical state: liquid
Colour: colourless

Odour: characteristic

Odour threshold: no data available

pH value: 10.3

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Melting point/freezing point:	no data available
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	no data available
Evaporation rate:	no data available
Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	approx. 1.3 g/mL
Water solubility:	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 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.

Thermal decomposition: no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data. May be harmful if swallowed.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.
Eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.
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

irritant

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.

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

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

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 - EC member states

Labelling of packaging with <= 125mL content



Signal word:

Danger

Hazard statements:

H318

Causes serious eye damage.

Safety precautions:

P280

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

P305+P351+P338

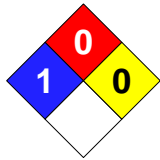
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

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

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:

H225 = Highly flammable liquid and vapour.

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H319 = Causes serious eye irritation.

H400 = Very toxic to aquatic life.

H412 = Harmful to aquatic life with long lasting effects.

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 38 = Irritating to skin.

R 41 = Risk of serious damage to eyes.

R 50 = Very toxic to aquatic organisms.

R 52/53 = Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Reason of change:

Changes in section 2: classification, labelling

Changes in section 3: Composition / information on ingredients

General revision

Date of first version:

13.10.2010

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

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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.