

EU – SAFETY DATA SHEET

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

Neutralyte FN02

Date of print: 27.05.2013
Revision date: 26.03.2013

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

1.1 Product identifier

Trade name: **Neutralyte FN02**

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

General use: Electrolytic marking technology, aftertreatment.
For industrial purposes only.

1.3 Details of the supplier of the safety data sheet

Company name: Saurer MarkingSolutions
Street: Deilingerstr. 20
Nation, PO code, city: D-78564 Wehingen/Germany
Telephone: Tel.: ++49 (0) 74 26 / 51188
Telefax: Fax: ++49 (0) 74 26 / 51189
www: www.markingsolutions.info
Email: info@markingsolutions.de

Dept. responsible for information:
Michael Saurer
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info@markingsolutions.de

Emergency telephone number:
Michael Saurer,
Telephone: ++49 (0) 74 26-51188

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC.
This preparation is classified as not hazardous.

2.2 Label elements

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

R-phrases: not applicable

S-phrases: S 24/25 Avoid contact with skin and eyes.

Special 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.

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Ingredients	Designation	Content	Classification
REACH 01-2119489428-22-xxxx	Benzenesulfonic	< 5 %	EU: Xn; R22. Xi; R41. Xi; R38.
EINECS 270-115-0	acid, C10-13-alkyl		CLP; Acute Tox. 4; H302.
CAS 68411-30-3	Derivs., sidium salts		Skin Irrit. 2; H315.
			Eye Dam. 1; H318.
EINECS 207-838-8	sodium carbonate	< 5 %	EU: Xi; R36.
CAS 497-19-8			CLP: Eye Irrit. 2; H319.

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.
- Alter 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.

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.

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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, 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 und 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:
Keep container tightly closed. Store at room temperature.
Hints on joint storage:
Keep away from food, drink and animal feeding stuff.
Do not store together with strong acids.
Storage class:
12 = Non-combustible liquids.

7.3 Specific and uses

Electrolytic marking technology, aftertreatment.

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.

8.3 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.

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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

Appearances:	Physical state: liquid
	Colour: reddish
Odour:	odourless
Odour threshold:	no data available
pH value:	11,5 – 12
Melting point/melting range:	no data available
Boiling temperature/boiling range:	no data available
Flash point/flash point range:	not combustible
Vapourisation rate:	no data available
Flammability:	no data available
Explosive properties:	not explosive
Explosion limits:	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
Autoflammability:	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 informations

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.

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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.

10.7 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 hazards: 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, C 10-13-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.

Water Hazard Class:

1 = slightly hazardous water

12.2 Persistence and degradability

Further details:

Information about Benzenesulfonic acid, C 10.13- alkyl derivs., sodium salts:

Biodegradation: 84 % 21 d (OECD 301 E). Easily bio-degradable.

12.3 Bioaccumulative potential

Partition coefficient n-octano/water: No data available.

12.4 Mobility in soil

No data available.

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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 classes

Not applicable.

14.4 Packing group

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: -

National regulations – EC member states

Labelling of packaging with <= 125 ml content

S phrases: S24/25 Avoid contact with skin and eyes.

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National regulations – U.S.A.

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

15.2 Chemical Safety Assessment

No data available

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.

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

R22 = Harmful if swallowed.
R36 = Irritation to eyes.
R38 = Irritation to skin.
R41 = Risk of serious damage to eyes.

Reason of change: General revision

Department issuing data sheet

Contact person: See section 1: Dept. Responsible for information.

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