

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 1 of 7

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

1.1 Product identifier

Trade name: Neutralizer

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

General use: Electrolytic/electrochemical metal inscription:
Cleaning agent/Neutralizing agent

1.3 Details of the supplier of the safety data sheet

Company name: Bymat GmbH

Street/POB-No.: Neusser Strasse 106

Postal Code, city: 41363 Jüchen
Germany

WWW: www.bymat.com

E-mail: info@bymat.de

Telephone: +49 (0) 21 65 / 87 28 - 0

Telefax: +49 (0) 21 65 / 87 28 28

Dept. responsible for information:

Michael Byhahn,

Telephone: +49 (0)21 65 / 87 28 - 0, Email: info@bymat.de

1.4 Emergency telephone number

Michael Byhahn, Telephone: +49 (0) 21 65 / 87 28 - 0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

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

This preparation is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

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

R phrase(s): not applicable

S phrase(s): not applicable

2.3 Other hazards

Due to its pH value (see section 9), irritation of the skin and eyes cannot be ruled out.

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 2 of 7

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Aqueous solution

Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 207-838-8 CAS 6132-02-1	Sodium carbonate-10-hydrate	1 - 5 %	DSD/DPD: Xi; R36. CLP: Eye Irrit. 2; H319.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Remove residues with water. 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. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth thoroughly with water. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

After contact with skin: May cause irritations.

After eye contact: May cause irritations.

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

Fires in the immediate vicinity may cause the development of dangerous vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information: Hazchem-Code: -

Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SAFETY DATA SHEET

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

Revision date: 11/11/2013

Version: 4

Language: en-GB,IE

Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page:

3 of 7

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear suitable protective clothing. Provide adequate ventilation.

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. Final cleaning.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Avoid contact with skin and eyes.

Provide adequate ventilation, and local exhaust as needed.

Do not mix with other chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed.

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.

Personal protection equipment

Occupational exposure controls

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.

Body protection:

Wear suitable protective clothing.

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 4 of 7

General protection and hygiene measures:

Avoid contact with skin and eyes.
Change contaminated clothing.
Wash hands before breaks and after work.
When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: liquid Colour: colourless
Odour:	characteristic
Odour threshold:	no data available
pH value:	10 - 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
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	at 20 °C: 1.03 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

Refer to 10.3

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 5 of 7

10.4 Conditions to avoid

Do not mix with other chemicals.

10.5 Incompatible materials

Strong acids and alkalis

10.6 Hazardous decomposition products

Fires in the immediate vicinity may cause the development of dangerous vapours.

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: Based on available data, the classification criteria are not met.
Product can cause skin irritation because of the pH-value.
Eye damage/irritation: Based on available data, the classification criteria are not met.
Product can cause eye irritation because of the pH-value.
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: Lack of data.

Symptoms

After contact with skin: May cause irritations.

After eye contact: May cause irritations.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: In case of spills of large quantities: Harmful effects on water organisms by modification of pH-value.

12.2. Persistence and degradability

Further details: no data available

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 6 of 7

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 undiluted resp. in large quantities into surface water or into drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 20 01 30 = Detergents other than those mentioned in 20 01 29
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

SAFETY DATA SHEET

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

Revision date: 11/11/2013
Version: 4
Language: en-GB,IE
Date of print: 4/5/2015

Neutralizer

Material number 2210 NT / 2215 NT / 2211 NT / 2250 NT

Page: 7 of 7

SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -

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:

H319 = Causes serious eye irritation.

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

R 36 = Irritating to eyes.

Reason of change: Changes in section 4, 5, 6, 8: General revision
Changes in section 15: National regulations USA
General revision

Date of first version: 7/4/2008

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

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.