

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
Generic EU MSDS – No country specific data
REVISION DATE: 2014-03-19

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Carbonate Bicarbonate Coating Buffer with azide
Article number: 09-8932

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

Identified uses: Laboratory chemical, manufacturing of substances

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
Danmark Berga 13
755 98 Uppsala
Telephone: +46 (0)18 56 11 80
Facsimile: +46 (0)18 56 11 88
E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)

Eye irritant (Category 2)
Acute toxicity, Oral (Category 4)
Chronic aquatic toxicity (Category 2)

2.2 Label elements

Labelling according to Regulation (EC) Nr 1272/2008 (EU-GHS/CLP)



Signal word: Warning

Hazard statement(s)
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P273 Avoid release to the environment.
P305-P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Complementary hazard information
EUH 032 – Contact with acids liberates very toxic gas.

2.3 Other hazards

None

3. Composition/information on ingredients

3.2 Mixtures

Substance	CAS-no.	EC-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Sodium Bicarbonate	144-55-8	205-633-8	0-100%	Not classified
Sodium carbonate	497-19-8	207-838-8	0-100%	Eye Irrit. 2; H319
Sodium azide	26628-22-8	247-852-1	0,05 %	Acute tox.2; Aquatic Acute 1; Aquatic Chronic 1; H300; H400; H410

4. First aid measures

4.1 Description of first aid measures

If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
If inhaled	Move person to fresh air. If difficult to breath, give artificial respiration and consult a physician.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

Nausea, Headache, Vomiting, Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry powder.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, sodium oxides, nitrogen oxides.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and full turn out gear for fire fighting if necessary to avoid contact with skin and eyes.

5.4 Further information

No data available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protecting equipment. Avoid breathing vapour, mist, dust, gas or dust. Ensure adequate ventilation.

6.2 Environmental precautions

Avoid product from entering drains.

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Keep in closed containers for disposal. Do not flush with water. Finish by ventilating the area.

6.4 Reference to other sections

See section 13.

7. Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid formation of dust and aerosols. Avoid contact with skin and eyes.

7.2 Conditions for safe storage, including any incompatibilities

Store in closed original container. Store in a cold and dry place with adequate ventilation. Do not let product to get in contact with water or be close to acids.

7.3 Specific end use(s)

No data available.

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and off-hours. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Eye/face protection

Safety glasses with side shields complying with EN166. Use eye protection tested and approved in accordance with the applicable standard, such as NIOSH (US) or 166 (EU).

Skin protection

Handled with gloves. Gloves must be investigated prior to use. Use the appropriate glove collection technology (without touching the outside of the glove) to avoid skin contact with this product. Disposal of contaminated gloves after use should be carried out in accordance with current legislation and good laboratory practice. Wash and dry your hands. Those selected must meet the requirements of safety gloves EU Directive 89/686/EEC and EN 374 emanating from it.

Body Protection

Impervious clothing. The type of protective equipment shall be selected with regard to the concentration and quantity of the dangerous substance at each individual workstation.

Respiratory protection

When the risk assessment shows that air freshener face protection is appropriate, use a full-face protective mask.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: tablets
Odour	no data available
Odour threshold	no data available
pH	no data available
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No data available

10. Stability and Reactivity

10.1 Reactivity

Decompose by reaction with strong acids.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Avoid contact with moisture.

10.5 Incompatible materials

Strong acids, sputtered aluminium, strong oxidizing agents, halogenated hydrocarbon.

10.6 Hazardous decomposition products

No data available

11. Toxicological information

11.1 Information on toxicological effects

11.1.2 Mixtures

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/ eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No hazardous ingredients present at levels greater than or equal to 0.1% of this product have been identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion

Harmful if swallowed.

Skin

Toxic if absorbed through the skin. May cause skin irritation.

Eyes

Causes serious eye irritation.

Aggravated Medical Condition

Alkalosis, an abnormal condition of increased alkalinity of the blood and tissues.

Signs and Symptoms of Exposure

Nausea, Headache, Vomiting, Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects.

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

13. Disposal considerations

13.1 Waste treatment methods

Disposal shall take place in accordance with applicable regional, national and local laws and regulations. See section 7: Handling and storage and section 8: Exposure controls/personal protection for further management of information and the protection of employees.

Contact your waste management service. Mix with combustible solvents and burn in the combustion furnace for chemicals with afterburner and scrubber.

14. Transport information

14.1 UN-number

ADR-RID, IMDG, IATA: 3288

14.2 UN proper shipping name

ADR-RID, IMDG, IATA: Toxic solid, inorganic, n.o.s. (Sodium azide)

14.3 Transport hazard class(es)

ADR-RID, IMDG, IATA: 6.1

14.4 Packaging group

ADR-RID, IMDG, IATA: III

14.5 Environmental hazards

ADR-RID: yes
IMDG, water pollutant: yes
IATA: no

14.6 Special precautions for user

No data available

15. Regulatory information

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

No data available

15.2 Chemical safety assessment

No data available

16. Other information

This information is based on the current state of knowledge.

Text of H-phrases and P-phrases in section 3

Eye Irrit.	Eye irritation
Acute Tox.	Acute toxicity, Oral
Aquatic Chronic	Chronic aquatic toxicity
Aquatic Acute	Acute aquatic toxicity
EUH 032	Contact with acids liberates very toxic gas.
H300	Fatal if swallowed.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.