

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 11.01.2024

Version number 102

Revision: 11.01.2024

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

## - 1.1 Product identifier

- Trade name ————— developer negative

- Article number: 72130

- EC number:

207-838-8

- Index number:

011-005-00-2

- REACH-Registration number 01-2119485498-19

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

No further relevant information available.

- Application of the substance / the mixture Basic chemical (without special defined application)

## - 1.3 Details of the supplier of the safety data sheet

## - Manufacturer/Supplier:

Bungard Elektronik GmbH &amp; Co. KG

Rilkestraße 1

D - 51570 Windeck

Tel.: +49/2292/5036

## - Informing department:

Product safety department. Tel.: +49/2292/5036

E-mail: ehs-bielefeld@stockmeier.de

## - 1.4 Emergency telephone number:

Poison Control Center, Mainz. Tel. 00 49 / 61 31 / 19 240

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## - 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

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

Xi; Irritant

R36: Irritating to eyes.

## - 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

- pictograms



GHS07

- Signal word Warning

- Hazard statements

H319 Causes serious eye irritation.

- Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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**- 2.3 Other hazards**

*Danger of suffocation and poisoning while contact with acids. Forming of carbon dioxide gas. Rooms, cellars and working areas must be well ventilated.*

**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**- 3.1 Substances Natriumcarbonat Na<sub>2</sub>CO<sub>3</sub>****- CAS No. Designation:**

Natriumcarbonat

**- Identification no(s):****- EC number:** 207-838-8**- Index number:** 011-005-00-2

### \* SECTION 4: First aid measures

**- 4.1 Description of first aid measures****- General advice:** Instantly remove any clothing soiled by the product.**- After inhalation***After inhaling the product-dust, breathe in plenty of fresh air.**Consult a doctor.***- After skin contact***Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.***- After eye contact** Rinse immediately opened eye for several minutes under running water. Then consult doctor.**- After swallowing***Rinse out mouth and then drink plenty of water.**Do not induce vomiting; instantly call for medical help.***- 4.2 Most important symptoms and effects, both acute and delayed***When dusts are irritating to the eyes and respiratory tract. Skin irritation.***- Information for doctor** Product reacts with gastric acid forming carbon dioxid gas.**- 4.3 Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

### \* SECTION 5: Firefighting measures

**- 5.1 Extinguishing media****- Suitable extinguishing agents** Product is non-flammable. Use fire fighting measure that suit the surroundings.**- 5.2 Special hazards arising from the substance or mixture** The substance is highly irritating.**- 5.3 Advice for firefighters****- Protective equipment:** See section 8.

### \* SECTION 6: Accidental release measures

**- 6.1 Personal precautions, protective equipment and emergency procedures***Ensure adequate ventilation**Product forms slippery surface when combined with water.***- 6.2 Environmental precautions:** Damp down dust with water spray jet.

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**- 6.3 Methods and material for containment and cleaning up:**

Pick up mechanically and rinse the remainder with water. Avoid dust development. Place in suitable container and send to be recycled or disposed (taking item 13 into account).

**- 6.4 Reference to other sections**

See Section 8 for information on personal protection equipment.

## \* SECTION 7: Handling and storage

**- 7.1 Precautions for safe handling**

Keep containers tightly sealed.

Prevent formation of dust.

Bei Kontakt mit Säuren erfolgt Freisetzung von Kohlendioxid-Gas (CO<sub>2</sub>); dies bewirkt in geschlossenen Gefäßen Druckanstieg - evtl. Berstgefahr. Kohlendioxid ist schwerer als Luft und verdrängt die Atemluft besonders im Bodenbereich unbelüfteter Räume, in Kellern, Arbeitsgruben und Schächten -Erstickungs- bzw. Vergiftungsgefahr (Weinkellersyndrom). Für gute Lüftung sorgen und im Zweifelsfall Ungefährlichkeit der Atmosphäre testen.

**- Information about protection against explosions and fires:** No special measures required.

**- 7.2 Conditions for safe storage, including any incompatibilities**

**- Storage** Keep containers tightly closed. Store in cool, dry conditions.

**- Requirements to be met by storerooms and containers:**

Not to be kept in containers made of aluminium, zinc, tin or alloys of those metals.

**- 7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**- Additional information about design of technical systems:** In case of dust development, suction is needed.

**- 8.1 Control parameters**

**- Components with critical values that require monitoring at the workplace:** Not required.

**- Additional information:** The lists that were valid during the compilation were used as basis.

**- 8.2 Exposure controls****- Personal protective equipment****- General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Do not inhale dust. Prevent formation of dust.

**- Breathing equipment:** Breathing protection to be used where a build-up of dust occurs.

**- Recommended filter device for short term use:**

Filter P2

Take care of limitations and rules for the use of breathing protection equipment (BGR 190).

**- Protection of hands:** Protective gloves.

**- Eye protection:** Tightly sealed safety glasses.

**- Body protection:**

Standard protective working clothes, chemical resistant safety-shoes or wellingtons. If skin contact is possible, wear impenetrable protective clothing.

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#### \* SECTION 9: Physical and chemical properties

##### - 9.1 Information on basic physical and chemical properties

##### - General Information

##### - Appearance:

Form:	Solid.
Colour:	White
- Smell:	Odourless

- pH-value (50 g/l) at 25 °C: 11.5

##### - Change in condition

Melting point/Melting range:	~ 850 °C
Boiling point/Boiling range:	> 400 °C

- Flash point: Product is non-flammable nor potentially explosive

- Density at 20 °C 2.53 g/cm<sup>3</sup>

- Settled apparent density at 20 °C 800-1000 kg/m<sup>3</sup>

##### - Solubility in / Miscibility with

Water at 20 °C: 212 g/l

- 9.2 Other information The product is hygroscopic.

- molecular weight (weight average/Mw): 106 g/mol

#### \* SECTION 10: Stability and reactivity

##### - 10.1 Reactivity

##### - 10.2 Chemical stability

##### - Thermal decomposition / conditions to be avoided:

At thermal decomposition (above approx. 800 °C) formation of: Natriumoxid+CO<sub>2</sub>

- 10.3 Possibility of hazardous reactions sulphuric acid, aluminium, Reacts with metals,

- 10.4 Conditions to avoid No further relevant information available.

- 10.5 Incompatible materials: strong acids, Aluminium, metals

- 10.6 Hazardous decomposition products: Reaction with acids to form carbon dioxide.

##### - Additional information:

Die wäßrige Lösung des Produktes reagiert stark alkalisch. Natriumcarbonat bindet Wasser und Kohlensäure aus der Luft.

#### \* SECTION 11: Toxicological information

##### - 11.1 Information on toxicological effects

##### - Acute toxicity:

##### - LD/LC50 values that are relevant for classification:

Oral	LD50	> 2000 mg/kg (rat)
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##### - Primary irritant effect:

- on the skin: Slight irritant, prolonged or repeated exposure removes lipid skin film and may cause skin irritation,

- on the eye: Irritant effect.

- Sensitization: No sensitizing effect known.

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**- Additional toxicological information:**

Der Stoff zeigt in Verbindung mit Wasser/Feuchtigkeit (in Gewebe) stark alkalische Reaktionen. Deshalb sind lokale Reizwirkungen an Haut, Augen und Schleimhäuten möglich. Soda entfettet die Haut.

#### \* SECTION 12: Ecological information

**- 12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

**- Ecotoxicological effects:****- Other information:**

Den pH-Wert wässriger Lösungen beachten. Die toxische Wirkung für Fische und Bakterien beginnt unter pH-Wert = 6 bzw. über pH-Wert = 9. Nach Neutralisation ist nur noch die relativ geringe Schädwirkung der entstandenen Salze vorhanden. Das Produkt verursacht keine biologische Sauerstoffzehrung.

**- Additional ecological information:**

- **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**- 12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

#### SECTION 13: Disposal considerations

**- 13.1 Waste treatment methods****- Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

**- Waste disposal key number:**

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

**- Uncleaned packagings:**

- **Recommendation:** After complete emptying and cleaning, send to be reconditioned or recycled.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

#### \* SECTION 14: Transport information

**- 14.1 UN-Number**

- **ADR, IMDG, IATA**

Void

**- 14.2 UN proper shipping name**

- **ADR**

Void

- **IMDG, IATA**

Void

**- 14.3 Transport hazard class(es)**

- **ADR, IMDG, IATA**

- **Class**

Void

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- 14.4 Packing group - ADR, IMDG, IATA	Void
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	-

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations
- Water hazard class:  
Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing data specification sheet: see item 1: Informing department
- Abbreviations and acronyms:  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organization  
LEV: Local Exhaust Ventilation  
RPE: Respiratory Protective Equipment  
RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- \* Data compared to the previous version altered.