

Safety Data Sheet according to Regulation (EC) No 1907/2006

B. Braun Avitum AG

Revision date: 17.01.2011

Revision No: 2,00

Sol-Cart B

00047-0247

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

1.1. Product identifier

Sol-Cart B

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

Use of the substance/mixture

Sodium bicarbonate for haemodialysis

1.3. Details of the supplier of the safety data sheet

B. Braun Avitum AG

Schwarzenberger Weg 73 - 79

D-34212 Melsungen

Responsible Department

Zentrale Service-Bereiche/Logistik und Supply Chain

Telephone: +49 (0) 5661 / 71-4422

Emergency telephone :+49 (0) 6132 / 84463 (GBK Gefahrgut Buero GmbH, Ingelheim)

Responsible for the safety data sheet: sds@gbk-ingelheim.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Directive 67/548/EEC.

2.2. Label elements

Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

2.3. Other hazards

Not known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Solid matter

Sum formula: CHNaO3

Molecular weight: 84,01 g/mol

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
205-633-8	Sodium bicarbonate	100 %
144-55-8		
01-2119457606-32-0000		

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

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If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of dusts.

After contact with skin

Wash hands with water as a precaution.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Rinse out mouth and give plenty of water to drink.
Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Contact with eyes, skin or oral tissues may cause irritation.
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.
Any extinguishing means and measures are acceptable.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

No special protective equipment required.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Do not breathe dust.
Use personal protective clothing.

6.2. Environmental precautions

This concentrate is not allowed to be released into the sewerage, surface water or groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).
Information for disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with eyes.
Avoid the formation and deposition of dust.
Do not breathe dust.

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Advice on protection against fire and explosion

No special protective measures against fire required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Keep tightly closed.

Advice on storage compatibility

Incompatible with:

Acids

Alkaline metals.

7.3. Specific end use(s)

Sodium bicarbonate for haemodialysis

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Occupational exposure controls

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

Obey TLV for common dust, if applicable.

Protective and hygiene measures

When using, do not eat, drink or smoke.

Avoid contact with eyes.

Wash hands before breaks and at the end of workday.

Take off immediately all contaminated clothing.

Respiratory protection

Dust mask must be worn if exposed to dust.

(Particle filter P1).

Hand protection

Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Safety goggles with side protection (EN 166).

Skin protection

Not required under normal use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder

Colour: White

Odour: Odourless

Test method

pH-Value (at 20 °C): 7,9 - 8,4 (50 g/l)

Changes in the physical state

Melting point: 270 °C Decomposition

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Flash point:	n.a.
Lower explosion limits:	n.a.
Ignition temperature:	n.a.
Vapour pressure:	n.d.
Density (at 20 °C):	2,22 g/cm ³
Water solubility: (at 20 °C)	96 g/L

9.2. Other information

Bulk density: ~ 1000 kg/m³

Decomposition temperature: > 50 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactions with strong acids.

Reactions with alkali metals.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Alkaline metals

Acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD50/oral/rat: = 4220 mg/kg (RTECS)

Irritation and corrosivity

Skin irritation (rabbit): Slightly irritating.

Eyes irritation (rabbit): Slightly irritating.

Sensitising effects

Not classified.

Severe effects after repeated or prolonged exposure

STOT - Single exposure: Not classified.

STOT - Repeated exposure: Not classified.

Aspiration hazard: Not classified.

Carcinogenic/mutagenic/toxic effects for reproduction

Carcinogenicity: Not classified.

Mutagenicity: Ames-Test: Negative (IUCLID)

Teratogenicity: Not classified.

Empirical data on effects on humans

Contact with eyes, skin or oral tissues may cause irritation.

Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

SECTION 12: Ecological information

12.1. Toxicity

LC50/Gambusia affinis/96 h = 7550 mg/l (IUCLID)

EC50/Daphnia magna/48 h = 2350 mg/l (IUCLID)

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

12.6. Other adverse effects

Low hazard to waters.

Further information

If handled and used properly, no adverse ecological effects are to be expected.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Can be landfilled or incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

180107 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care); wastes from natal care, diagnosis, treatment or prevention of disease in humans; chemicals other than those mentioned in 18 01 06

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

Other applicable information

No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): 0 %

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

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Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.
(n.a. = not applicable; n.d. = not determined)