

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Ampicillin (sodium salt)

Catalogue reference(s): MB02101, 5 g

MB02102, 25 g

MB02103, 50 g

Brand: Nzytech

REACH number: not available

CAS number: 69-52-3

EC number: 200-708-1

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

Identified uses: Laboratory chemicals, Manufacture of substances

Uses advised against: no additional information available

1.3. Details of the supplier of the safety data sheet

NZYTech, Lda., Estrada do Paço do Lumiar, Campus do Lumiar, 22, Edifício E, R/C, 1649-038 Lisboa, Portugal

Tel. +351 213643514, Fax +351 217151168, info@nzytech.com

1.4. Emergency telephone number

Call your regional Poisons Information Service or call local Life Saving Service

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Respiratory sensitisation (Category 1)

Skin sensitisation (Category 1)

2.1.2. Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Pictograms



Signal words

Danger

Hazard statements

H317: May cause an allergic skin reaction

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray

P280: Wear protective gloves

P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

Supplemental hazard statements

not needed

2.3. Other hazards

No additional information available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Synonyms: D-(-)- α -Aminobenzylpenicillinsodium salt

Formula: $C_{16}H_{18}N_3NaO_4S$

Molecular Weight: 371,39 g/mol

CAS-No.: 69-52-3

EC-No.: 200-708-1

3.2. Mixtures

Not relevant.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures after inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

First-aid measures after skin contact: Wash off with soap and plenty of water. Consult a physician.

First-aid measures after eye contact: Flush eyes with water as a precaution.

First-aid measures after ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No additional measures required

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4. Further information

No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face protection: Face shield and safety glasses.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Do not breathe dust. Respiratory protective device with particle filter.

Skin protection: Protective clothing.

Other personal protection advice: No data.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: solid

Colour: light yellow

Odour: no data available

Odour threshold: no data available

pH: no data available

Relative evaporation rate (butylacetate=1): no data available

Melting point/freezing point: Melting point/range: 215 °C - dec

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: 50g/L

Partition coefficient: n-octanol/water: log Pow: -2,31 at 20 °C

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity: no data available

Explosive properties: no data available

Oxidising properties: no data available

9.2. Other information

Not available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(EN L 133/42 Official Journal of the European Union 31-05-2010)

Acute toxicity: LD50 Oral - rat - > 5.314 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC:

3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium [2S-[2 α ,5 α ,6 β (S*)]]-6-(aminophenylacetamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylat)

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

Additional Information:

RTECS: XH8400000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6. Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

(in accordance with ADR, RID, ADN, IMDG, ICAO and IATA)

14.1. UN number

ADR/RID: not applicable

IMDG: not applicable

IATA: not applicable

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: not applicable

IMDG: not applicable

IATA: not applicable

14.4. Packing group

ADR/RID: not applicable

IMDG: not applicable

IATA: not applicable

14.5. Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6. Special precautions for user

No data available

SECTION 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

For this product a chemical safety assessment was not carried out

SECTION 16. OTHER INFORMATION

Precautions: the information and recommendations contained herein are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation in respect of safety in use, suitability efficiency or otherwise, including freedom from patent infringements. Users should make their own tests for their

particular purpose.

Disclaimer: Nzytech cannot accept any liability for any loss, damage or infringement arising from the use of the information or recommendations contained herein.

Document history: Version 1401: 08/01/2014, Document creation.
