

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

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

1.1. Product identifier

Bismuthi subnitras

Item No. 06180000

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

Use of the substance/preparation

Chemical for synthesis, Manufacture of pharmaceutical products

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients ***

Further ingredients ***

bismuth hydroxide nitrate oxide

CAS No. 1304-85-4

EINECS no. 215-136-8

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

SECTION 4: First aid measures

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

4.1. Description of first aid measures

General information

Take affected person to fresh air.

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Rinse out mouth and give plenty of water to drink. Take medical treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

In the event of a fire, toxic and combustible gases can be formed. Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues and contaminated fire-fighting 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

Keep people away and stay on the upwind side. Ensure adequate ventilation. Avoid dust formation.

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Advice on protection against fire and explosion

Substance/product in the dry state promotes fires. Keep away from combustible material. Keep away

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

from sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	15	20	°C
-------	----	----	----

Requirements for storage rooms and vessels

Keep only in original packaging. Only use containers that are approved specifically for the substance/product.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

Further information on storage conditions

Keep container tightly closed. Keep away from sources of ignition. Keep container tightly closed, cool and dry. Protect from warmth.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

At work do not eat, drink, smoke or take drugs. Do not breathe dust. Avoid contact with skin and eyes. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work.

Respiratory protection

Dust mask; Particle filter P3; Short term: filter apparatus, Filter P2; EN 14387

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Powder
Colour	white
Odour	odourless
Physical state	solid

Melting point

Value	260	°C
-------	-----	----

Boiling point or initial boiling point and boiling range

Value	°C
Remarks	not determined

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

Flammability

not determined

Flash point

Value	°C
Remarks	Not applicable

pH value

Remarks	Not applicable
---------	----------------

Vapour pressure

Remarks	not determined
---------	----------------

Density and/or relative density

Value	1.1		g/cm ³
Temperature	20	°C	

9.2. Other information**Solubility in water**

Remarks	not determined
---------	----------------

Other information

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Flames. Sparks

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition productsNo hazardous decomposition products known. In the event of fire the following can be released: nitrous oxides (NO_x)**SECTION 11: Toxicological information *******11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Acute inhalational toxicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Mutagenicity

Remarks	Based on available data, the classification criteria are not met.
---------	---

Reproductive toxicity

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Remarks Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity**

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

12.3. Bioaccumulative potential**General information**

No data available

12.4. Mobility in soil**General information**

No data available

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

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Product is slightly hazardous to water.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

Disposal in compliance with local and national regulations.

EWC waste code

06

Wastes from inorganic chemical processes

Trade name: Bismuthi subnitras

Substance number: 061800

Version: 4 / CH

Date revised: 27.09.2023

Replaces Version: 3 / CH

Print date: 27.09.23

EWC waste code 06 03

wastes from the MFSU of salts and their solutions and metallic oxides

EWC waste code 06 03 14

solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.