

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

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

1.1. Product identifier

Natrii hydrogensulfas

Item No. 06622800

Registration no.

EC No.: 231-665-7

CAS No. 7681-38-1

Substance / product identification

REACH Registry No. 01-2119552465-36-xxxx

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification Xi, R41

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements ***

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

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

P305+P351+P338

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

P310

Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains

Sodium hydrogensulphate

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

irritant

R phrases

41 Risk of serious damage to eyes.

S phrases

2 Keep out of the reach of children.

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Sodium hydrogensulphate**

CAS No. 7681-38-1

EINECS no. 231-665-7

Concentration >= 50 %

Classification Xi, R41

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water.. Wash immediately with plenty of water for several minutes.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).. Seek medical advice immediately.. Shield unaffected eye.

After ingestion

Let plenty of water be drunk in small gulps.. Take affected person to fresh air.. Call in a physician immediately and show him the Safety Data Sheet.. Do not induce vomiting.. No trials on neutralisation.

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

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

The following symptoms may occur:., Gastrointestinal complaints, Irritation of mucosa, Chemical burn

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

Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Wear full protective suit.; Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.. Remove persons to safety.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.. Knock down dust with water spray jet.

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 waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid dust formation.. Provide exhaust ventilation if dust is formed.. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Do not use metal containers and metal pinings.. Keep in a cool place.

Hints on storage assembly

Do not store together with:., Alkalis, Oxidising agents

Further information on storage conditions

Keep container tightly closed.. Protect from atmospheric moisture and water.. Product is hygroscopic.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Predicted No Effect Concentration (PNEC)

Sodium hydrogensulphate

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work.
Avoid contact with skin and eyes. Hold eye wash fountain available. Do not eat or drink during work time.
Do not inhale dust/fumes/aerosols.

Respiratory protection

Breathing apparatus in the event of aerosol, mist or fume formation.; Particle filter P2

Hand protection

Rubber gloves

Gloves

Appropriate Material	Natural Latex		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	

Gloves

Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	

Gloves

Appropriate Material	Butyl rubber		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	

Gloves

Appropriate Material	nitrile rubber - NBR		
Material thickness	0.35	mm	
Breakthrough time	>= 8	h	

Gloves

Appropriate Material	Fluoro carbon rubber - FKM		
Material thickness	0.4	mm	
Breakthrough time	>= 8	h	

Gloves

Appropriate Material	PVC		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	

Eye protection

Tightly fitting safety glasses

Body protection

Impermeable protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Beads
Colour	yellowish
Odour	odourless
pH value	
Value	1 to 1.2
Concentration/H ₂ O	200 g/l
Temperature	25 °C

Melting point

Value	315	°C
-------	-----	----

Initial boiling point and boiling range

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

Remarks not determined

Flash point

Remarks Not applicable

Flammability (solid, gas)

Not ignitable

Vapour pressure

Remarks Not applicable

DensityValue 2.44 g/cm³

Temperature 20 °C

Solubility in water

Value 285 g/l

Temperature 25 °C

Ignition temperature

Remarks Not applicable

Decomposition temperature

Remarks No data available

Efflux time

Remarks Not applicable

9.2. Other information**Bulk density**Value 1.400 to 1.450 kg/m³

Temperature 20 °C

Other information

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Heat. Protect from atmospheric moisture and water.

Decomposition temperature

Remarks No data available

10.5. Incompatible materials

Reactions with alkalis., Reactions with strong oxidising agents., Reactions with alcohols., In aqueous solution, evolves hydrogen with metals., Reactions with water, with formation of sulphuric acid.

10.6. Hazardous decomposition productssulphurous oxides (SO_x), Sulphuric acid**SECTION 11: Toxicological information *******11.1. Information on toxicological effects****Acute oral toxicity**

Species rat

LD50 2140 mg/kg

Remarks Test conducted with a similar formulation.

Acute inhalative toxicity (Components)**Sodium hydrogensulphate**

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

Species	rat		
LC50	>	2.4	mg/l

Skin corrosion/irritation

Remarks Corrosive action on the skin and mucous membrane.

Serious eye damage/irritation

Remarks Risk of serious damage to eyes.

Sensitization

Remarks No sensitisation effect known.

Experience in practice

After Swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

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

Species	Gambusia affinis		
LC50	120		mg/l
Duration of exposure	96	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	190		mg/l
Duration of exposure	48	h	

Bacteria toxicity

Species	Pseudomonas putida		
EC10	> 1000		mg/l
Duration of exposure	16	h	

12.6. 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.. The product causes changes in the pH value in the test system. The result relates to the unneutralized sample.

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.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Trade name: Natrii hydrogensulfas

Substance number: 066228

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

Air transport ICAO/IATA

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	Classification according to Annex 4 VwVwS
---------	---

15.2. Chemical safety assessment

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

SECTION 16: Other information**R-phrases listed in Chapter 3**

41	Risk of serious damage to eyes.
----	---------------------------------

Hazard statements listed in Chapter 3

H318	Causes serious eye damage.
------	----------------------------

CLP categories listed in Chapter 3

Eye Dam. 1	Serious eye damage, Category 1
------------	--------------------------------

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.