

MATERIAL SAFETY DATA SHEET SDS/MSDS

according to Regulation (EC) No. **No 1272/2008** (REACH)

Revision date: 9 Jun 2023

Print date: 7 Jul 2024

Version: 1

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

1.1 Product identifiers

Product name : **sodium hydrogensulfite**

CAS-No. : 10101-89-00-0

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

1.3 Details of the supplier of the safety data sheet

1.4 Emergency telephone number

Name: KURITA-GK-CHEMICAL CO.LTD

Address Office :

TCH-Harderwijk. Wouterskampen 34,
3849BB Hierden. Netherlands. (Eroupe)

<http://www.kurita-gk-chemical.com/>

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2),
H315 Eye irritation (Category 2),
H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC)

Pictogram



Signal word

Warning Skin irritation

Hazard statement(s)

H315

H319

Causes skin irritation.

Causes serious eye irritation.

Precautionary statement(s)

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove

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Adverse environmental effects: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.		
Composition/information on ingredients		
Mixtures		
Hazardous ingredients / Hazardous impurities / Stabilisers:		
Product identifiers	Substance name	Concentration
CAS No.: 10101-89-0 EC No.: 231-548-0 Index No.: 016-064-0-8 REACH No.: 01-2119524563-45-0000	Classification according to Regulation (EC) No 1272/2008 [CLP] sodium hydrogensulfite Acute Tox. 4 (H302)  Warning EUH031	≤ 6 weight-%
Full text of H- and EUH-phrases: see section 16.		

contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard

none Statements

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : sodium hydrogensulfite
sodium hydrogensulfite

Formula : Na3O4P · 12H2O
Molecular weight : 380,13 g/mol
CAS-No. : 10101-89-00-0
EC-No. : 231-509-8

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Sodium phosphate tribasic dodecahydrate		
CAS-No. 10101-89-0	Skin Irrit. 2; Eye Irrit. 2; H315, H319	<= 100 %
EC-No. 231-509-8		

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For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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 data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing

media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Oxides of phosphorus, Sodium oxides

5.2 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.3 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. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials 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.

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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.
Storage class (TRGS 510): Non-combustible, corrosive hazardous materials

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

Components with workplace control parameters

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.

Personal protective

equipment Eye/face

protect

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin 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.

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---------------|----------------------------------|
| a) Appearance | Form: Liquid
Colour:
white |
| b) Odour | odourless |

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c) Odour Threshold	No data available
d) pH	6.5 at 190,1 g/l at 20 °C
e) Melting point/freezing crystallisation point	Melting point/range: ca.75 °C - Elimination of water of
f) Initial boiling point and available boiling range	No data
g) Flash point	Not applicable
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower available flammability or explosive limits	No data
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1,12 g/mL at 20 °C
n) Water solubility	285 g/l at 20 °C
o) Partition coefficient: n-octanol/water	No data available
Auto-ignition available temperature	No data
p) Decomposition °C - temperature	ca.75
q) Viscosity	40 °C
r) Explosive properties	Not explosive
s) Oxidizing properties	No data available

9.2 Other safety information Bulk density ca.950 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity

The product itself does not burn.

10.1 Chemical stability

Stable under recommended storage conditions.

10.2 Possibility of hazardous reactions

No data available

10.3 Conditions to avoid

No data available

10.4 Incompatible materials

Strong acids

10.5 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

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effects Acute toxicity

LD50 Oral - Rat - > 2.000 mg/kg
(OECD Test Guideline 420)

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

Eye irritation

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

Ames test

Result: Not mutagenic in Ames Test

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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: TC9575000

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish LC0 - Leuciscus idus (Golden orfe) - 2.400 mg/l - 48 h

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment

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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

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

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: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.