MATERIAL SAFETY DATA SHEET OF

Sodium sulfite

1.Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: Sodium sulfite
CBnumber: CB4111698
CAS: 7757-83-7
EINECS Number: 231-821-4
Synonyms: sodium sulfite,sodium sulphite,sodium sulfite anhydrous

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

Relevant identified uses: For R&D use only. Not for medicinal, household or other use.

Uses advised against: none

Company Identification

Company: Dongying Hexin Chemical Co., Ltd
Address: No. 2 Jialingjiang Road, Development Zone, Dongying City, Shandong Province, China
Telephone: +86-546-8072088
E-mail：sales@hexinhx.com **Website**： http://www.hexinhx.com

2．HAZARDS IDENTIFICATION

GHS Label elements, including precautionary statements

Hazard statements

H303 May be harmful if swallowed

3.Composition/information oningredients

Substance

Product name: Sodium sulfite
Synonyms: sodium sulfite,sodium sulphite
CAS: 7757-83-7
EC number: 231-821-4
MF: Na2O3S
MW: 126.04

4.First aid measures

Description of first aid measures

If inhaled After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

Indication of any immediate medical attention and special treatment needed

No data available

5.Firefighting measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture

Sulfur oxides, Sodium oxides Sulfur oxides, Sodium oxides Not combustible.

Ambient fire may liberate hazardous vapours.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

NFPA 704

1

0

1

HEALTH	1	Exposure would cause irritation with only minor residual injury (e.g. acetone, sodium bromate, potassium chloride)
FIRE	0	Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand. Materials that will not burn in air when exposed to a temperature of 820 °C (1,500 °F) for a period of 5 minutes.(e.g. Carbon tetrachloride)
REACT	1	Normally stable, but can become unstable at elevated temperatures and pressures (e.g. propene)
SPEC. HAZ.		

6.Accidental release measures

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Reference to other sections
For disposal see section 13.

7.Handling and storage

Precautions for safe handling
For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities
Do not store near acids. Air and moisture sensitive.
Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8.Exposure controls/personal protection

control parameter
Hazard composition and occupational exposure limits
Does not contain substances with occupational exposure limits.
Exposure controls
Appropriate engineering controls
Change contaminated clothing. Wash hands after working with substance.
Personal protective equipment
Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Body Protection
protective clothing
Respiratory protection
required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure
Do not let product enter drains.

9.Physical and chemical properties

Information on basic physicochemical properties
AppearanceForm: solid
OdourNo data available

Odour ThresholdNo data available d) pH 9,0 - 10,5 at 126 g/l at 25 °C Melting point/freezing point Initial boiling point and boiling range Decomposes before melting. Not applicable Flash point No data available Evaporation rate No data available Flammability (solid, gas) Upper/lower flammability or explosive limits The product is not flammable. No data available Vapour pressure No data available Vapour density No data available Relative density 2,630 g/cm3 Water solubility 126 g/l at 20 °C - completely soluble Partition coefficient: n-octanol/water Autoignition temperature No data available does not ignite Decomposition temperature No data available Viscosity No data available Explosive properties Not explosive Oxidizing properties The substance or mixture is not classified as oxidizing.

Melting point/freezing pointDecomposes before melting.

Initial boiling point and boiling rangeNot applicable

Flash pointNo data available

Evaporation rateNo data available

Flammability (solid, gas)The product is not flammable.

Upper/lower flammability or explosive limitsNo data available

Vapour pressureNo data available

Vapour densityNo data available

Relative density2,630 g/cm3

Water solubility126 g/l at 20 °C - completely soluble

Partition coefficient: n-octanol/waterH2O: 1 M at 20 °C, clear, colorless

Autoignition temperaturedoes not ignite

Decomposition temperatureNo data available

ViscosityNo data available

Explosive propertiesNot explosive

Oxidizing propertiesThe substance or mixture is not classified as oxidizing.

Other safety information

No data available

10.Stability and reactivity

Reactivity

No data available

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Generates dangerous gases or fumes in contact with:, Acids

Conditions to avoid

Exposure to air may affect product quality. Exposure to moisture may affect product quality.

no information available

Incompatible materials

Acids, Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sulfur oxides, Sodium oxides
Other decomposition products - No data available
Hazardous decomposition products formed under fire conditions. - Sulfur oxides, Sodium oxides
In the event of fire: see section 5

11.Toxicological information

Information on toxicological effects
Acute toxicity
LD50 Oral - Rat - 3.560 mg/kg
LC50 Inhalation - Rat - 4 h - > 5.500 mg/m3 LD50 Dermal - Rat - > 2.000 mg/kg
(OECD Test Guideline 402)
Skin corrosion/irritation
Skin - Rabbit
Result: No skin irritation (OECD Test Guideline 404)
Serious eye damage/eye irritation
Eyes - Rabbit
Result: Mild eye irritation
(OECD Test Guideline 405)
Respiratory or skin sensitization
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
in vivo assay - Mouse
Result: Did not cause sensitization on laboratory animals.
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: No ingredient 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: WE2150000
May cause irritation of the:, Gastrointestinal tract, violent colic, Diarrhea, Disturbance of:, circulatory system, Central nervous system depression, death, Persons with allergies and/or asthma may exhibit hypersensitivity to sulfites., To the best of our knowledge, the

chemical, physical, and toxicological properties have not been thoroughly investigated.
Liver - Irregularities - Based on Human Evidence
Toxicity
LD50 i.v. in mice: 175 mg/kg, Hoppe, Goble, J. Pharmacol. Exp. Ther. 101, 101 (1951)

12.Ecological information

Toxicity
Toxicity to fish
LC50 - Gambusia affinis (Mosquito fish) - 660 mg/l - 96 h
Persistence and degradability
The methods for determining biodegradability are not applicable to inorganic substances.
Bioaccumulative potential
No data available
Mobility in soil
No data available
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.
Other adverse effects
No data available

13.Disposal considerations

Waste treatment methods
Product
See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
Incompatibilities
A strong reducing agent. Incompatible with oxidizers (chlorates, nitrates, peroxides, permanganates, perchlorates, chlorine, bromine, fluorine, etc.); contact may cause fires or explosions. Keep away from alkaline materials, strong bases. Reacts with strong acids producing toxic sulfur dioxide.

14.Transport information

UN number
ADR/RID: - IMDG: - IATA: -
UN proper shipping name
ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)
ADR/RID: - IMDG: - IATA: -
Packaging group
ADR/RID: - IMDG: - IATA: -
Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user
Further information

Not classified as dangerous in the meaning of transport regulations.

15.Regulatory information

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

Regulations on the Safety Management of Hazardous Chemicals

China Catalog of Hazardous chemicals 2015:Not Listed. website: https://www.mem.gov.cn/

Measures for Environmental Management of New Chemical Substances

Vietnam National Chemical Inventory:Listed. website: https://chemicaldata.gov.vn/

United States Toxic Substances Control Act (TSCA) Inventory:Listed. website: https://www.epa.gov/

Philippines Inventory of Chemicals and Chemical Substances (PICCS):Listed. website: https://emb.gov.ph/

New Zealand Inventory of Chemicals (NZIoC):Listed. website: https://www.epa.govt.nz/

Korea Existing Chemicals List (KECL):Listed. website: http://ncis.nier.go.kr

European Inventory of Existing Commercial Chemical Substances (EINECS):Listed. website: https://echa.europa.eu/

EC Inventory:Listed.

Chinese Chemical Inventory of Existing Chemical Substances (China IECSC):Listed. website: https://www.mee.gov.cn/

16.Other information

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstracts Service

EC50: Effective Concentration 50%

IATA: International Air Transportation Association

IMDG: International Maritime Dangerous Goods

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

STEL: Short term exposure limit

TWA: Time Weighted Average

References

【1】CAMEO Chemicals, website: http://cameochemicals.noaa.gov/search/simple

【2】ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp

【3】ECHA - European Chemicals Agency, website: https://echa.europa.eu/

【4】eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【5】ERG - Emergency Response Guidebook by U.S. Department of Transportation, website: http://www.phmsa.dot.gov/hazmat/library/erg

【6】Germany GESTIS-database on hazard substance, website: http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp

【 7 】 HSDB - Hazardous Substances Data Bank, website: https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm

【8】IARC - International Agency for Research on Cancer, website: http://www.iarc.fr/

【 9 】 IPCS - The International Chemical Safety Cards (ICSC), website: http://www.ilo.org/dyn/icsc/showcard.home

【10】Sigma-Aldrich, website: https://www.sigmaaldrich.com/

Other Information

The symptoms of asthma often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential.Immediate administration of an appropriate inhalation therapy by a doctor, or by an authorized person, should be considered.Anyone who has shown symptoms of asthma due to this substance should avoid all further contact.

Disclaimer:

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.