

Material Safety Data Sheet

Modified date: 2022/01/01	SDS Code: /
Product Name: Sodium metabisulfite	Version: V2.0

Part 1 Chemicals and company identification

Chinese name of the chemical: sodium metabisulfite

Company name: Hainan Hua Yangshun Import and Export Co., Ltd

English name of the chemical: sodium metabisulfite;

Address: Longqiao town, longhua district, haikou, hainan, China

Other chemical names: Sodium bisulfite

Contact: +86 187 54130113

CAS No.:7681-57-4

E-mail: mia@hyschemical.com

Molecular formula: $\text{Na}_2\text{S}_2\text{O}_5$

Emergency contact: 0536-5301819

Recommended use of the product: Please consult the manufacturer.

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Part 2 Hazards Identification

[Emergency Overview

Harmful if swallowed. Causes serious eye damage.

[GHS Hazard Classification

According to GB 30000-2013 Chemical Classification and Labeling Specification Series Standard, this product is classified as follows: Skin Corrosion/Irritation, Category 2; Eye Damage/Eye Irritation, Category 2A.

[Label elements:

Pictogram:



Signal word: **Danger**

Hazard information: Harmful if swallowed. Causes serious eye damage.

Precautionary statements:

Precautions: Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Incident Response: If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Remove contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safe Storage: Not applicable.

Disposal: Dispose of contents in accordance with local regulations.

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Hazard Description

Physical and Chemical Hazards

No data

Health Hazards

Harmful if swallowed. Causes serious eye damage.

Environmental hazards

No data

Part 3 Composition/Information on Ingredients

Dangerous components	Concentration or concentration range	CAS No.
Sodium metabisulfite	≥ 95.0	7681-57-4

Part 4. First aid measures

Description of First Aid Measures

General Advice: First aid measures are usually required. Please show this MSDS to the doctor who arrives at the scene.

Skin Contact: Remove contaminated clothing immediately. Rinse skin with plenty of soap and water. If you feel any discomfort, get medical attention immediately.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes. If you feel any discomfort, get medical attention immediately.

Inhalation: Immediately move the victim to fresh air and keep breathing unobstructed. If breathing is difficult, give oxygen. If the victim ingests or inhales this material, do not perform mouth-to-mouth artificial respiration. If breathing stops. Perform cardiopulmonary resuscitation immediately. Get medical attention immediately.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or poison control center immediately.

Advice for protection of rescuers: Eliminate all sources of ignition and increase ventilation. Avoid contact with skin and eyes. Avoid inhalation of dust. Use protective equipment, including a respirator.

Special Notes to Physicians: No information available.

Part 5 Fire Fighting Measures

Hazardous characteristics

Containers may explode when heated. Containers exposed to fire may leak contents through the pressure relief valve. Heat or exposure to flames may cause expansion or explosive decomposition.

Fire extinguishing methods and fire extinguishing agents

Suitable fire extinguishing media: dry powder, carbon dioxide, water spray or foam fire extinguishing agent.

Fire extinguishing precautions and measures

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When extinguishing a fire, wear a breathing mask (compliant with MSHA/NIOSH requirements or equivalent) and full body protective clothing. Extinguish the fire at a safe distance and with adequate protection. Prevent firefighting water from contaminating surface and groundwater systems.

Part 6. Emergency treatment of leaks

|Protective measures, protective equipment and emergency procedures for workers

Ensure adequate ventilation. Eliminate all ignition sources. Evacuate personnel to a safe area quickly, away from the leakage area and in the upwind direction. Use personal protective equipment. Avoid inhalation of vapors, fumes, gases or dust. Collect solid leaks in sealed containers.

|Environmental protection measures

Prevent further leakage or spillage if safe to do so. Avoid release into the environment

|Containment, removal methods and disposal materials for leaked chemicals

In case of small leaks, dry sand or inert adsorbent materials can be used to absorb the leaks. In case of large leaks, dikes should be built to control the leaks. Attached or collected materials should be stored in suitable sealed containers and disposed of in accordance with local laws and regulations. Eliminate all ignition sources and use spark-proof tools and anti-riot equipment.

Part 7. Handling and Storage

|Handling Precautions

Handle in a well-ventilated area. Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Keep away from heat, sparks, open flames and hot surfaces. Take measures to prevent static electricity accumulation.

|Storage Precautions

Keep container tightly closed. Store in a dry, cool and well-ventilated area. Keep away from heat, sparks, open flames and hot surfaces. Store away from incompatible materials and food containers

Part 8. Exposure Controls/Personal Protection

|Control parameters

Occupational exposure limits:

No data.

Biological limits:

No data.

Monitoring methods

EN14042 Guide to procedures for assessing exposure to chemical or biological agents in workplace air. GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (series of standards)

|Engineering Controls

Maintain adequate ventilation, especially in enclosed areas. Ensure that eyewash and shower facilities are available near the workplace. Use explosion-proof electrical appliances, ventilation, lighting and other equipment. Set up emergency evacuation routes and necessary risk relief areas.

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|Respiratory Protection

If the vapor concentration exceeds the occupational exposure limit or symptoms such as irritation occur, use a full-face multi-functional gas mask (US) or AXBEK type (EN

14387) gas mask cartridge.

|Eye Protection

Wear chemical goggles (complying with EU EN 166 or US NIOSH standards).

|Skin and Body Protection

Wear flame-retardant antistatic protective clothing and antistatic protective boots.

|Hand Protection

Wear chemical protective gloves (such as butyl rubber gloves). It is recommended to choose those tested according to EU EN 374, US USF739 or AS/NZS 2161.1 standards.

|Other protections

No smoking, eating or drinking at the work site. Shower and change clothes after work. Maintain good hygiene habits.

Part 9 Physical and Chemical Properties

Appearance and properties: White or yellow crystalline powder	
pH value (specify concentration): 4.0-4.6	Odor: Sulphur dioxide odor
Boiling point, initial boiling point and boiling range (°C): No data	Melting point/freezing point (°C):>300°
Relative vapor density (air = 1): Not applicable	Odor threshold: No data
Saturated vapor pressure (kPa): Not applicable	Relative density (water = 1): 1.4
Evaporation rate: Not applicable	Viscosity (mm ² /s): Not applicable
Flash point (°C): Not applicable	n-octanol/water partition coefficient: No data
Decomposition temperature (°C):>150°	Ignition temperature (°C): No data
Explosion upper/lower limit [% (V/V)]: Upper limit: No data; Lower limit: No data	
Solubility: No data	Flammability: No information available

Part 10 Stability and Reactivity

|Stability

Stable under correct conditions of use and storage.

|Incompatible materials

No information available

|Conditions to avoid

Incompatible materials, heat, flame and sparks.

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| **Hazardous reactions**

No information available

| **Decomposition products**

Under normal conditions of storage and use, no hazardous decomposition products will be produced.

Part 11 Toxicology Information

| **Acute toxicity**

Components	CAS NO.	LD ₅₀ (through mouth)	LD ₅₀ (through skin)	LC ₅₀ (Inhalation)
Sodium metabisulfite	7681-57-4	No data	No data	No data

| **Carcinogenicity**

ID	CAS NO	Components	IARC	NTP
1	7681-57-4	Sodium metabisulfite	Not listed	Not listed

| **Skin irritation or corrosion**

Causes skin irritation

| **Eye irritation or corrosion**

Causes serious eye irritation

| **Skin sensitization**

No data

| **Respiratory sensitization**

No data

| **Germ cell mutagenicity**

No data

| **Reproductive toxicity**

No data

| **Specific target organ toxicity - single exposure**

No data

| **Specific target organ toxicity - repeated exposure**

No data

| **Aspiration hazard**

No data

Part 12 Ecological Information

| **Acute aquatic toxicity**

No data available.

| **Chronic aquatic toxicity**

No data available.

| **Persistence and degradability**

No data available

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| Potential for bioaccumulation

No data available

| Mobility in soil

No data available

| Other adverse effects

No information available.

Part 13 Disposal

| Disposal methods

Product: If you need medical treatment, take the product container or label with you.

Unclean packaging: After the packaging is emptied, there may still be residual hazards. Keep away from heat and fire sources and return it to the supplier for recycling if possible.

| Disposal precautions

Please refer to the "Waste Disposal" section.

Section 14. Transport Information

| United Nations Dangerous Goods Number (UN):-

| UN Shipping Name: Not regulated for transport as dangerous goods

| UN Hazard Classification: -

| Packaging category:

| Packaging label

Not applicable

| Marine pollutant (yes/no):-

| Packaging method

Package in accordance with the method recommended by the manufacturer.

| Transportation precautions

During transportation, the transport vehicle should be equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment. Before transportation, check whether the packaging container is complete and sealed. Danger signs and notices should be posted on the transport vehicle according to relevant transportation requirements.

Part 15 Regulatory Information

| China Chemical Management Directory

Components	A	B	C	D	E	F	G	H
Sodium metabisulfite	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

【A】《Catalogue of Hazardous Chemicals (2015 Edition)》, Announcement No. 5 of 2015 issued by the State Administration of Work Safety

【B】《Catalogue of Hazardous Chemicals under Key Environmental Management》, Ministry of Environmental Protection Office Document No. 33 of 2014

【C】《List of Toxic Chemicals Strictly Restricted for Import and Export in China》, Announcement No. 85 of the Ministry of Environmental Protection in 2013

【D】《Catalogue of Narcotic Drugs and Psychotropic Drugs (2013 Edition)》, Notice No. 230 of 2013 issued by the State Food and Drug Administration

【E】《List of Hazardous Chemicals under Key Supervision (1st and 2nd Batch)》, Notice No. 95 of 2011 and No. 12 of 2013 issued by the State Administration of Work Safety [F] List of Ozone Depleting Substances under Import and Export Control in China (1st to 6th Batch)", Announcements of the Ministry of Environmental Protection from 2000 to 2012

【F】《List of Ozone Depleting Substances Subject to Import and Export Control in China (Batch 1 to 6)》, Ministry of Environmental Protection, 2000 to 2006.

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【G】《List of Dangerous Chemicals that May Explode and Form (2011 Edition)》, Announcement of the Ministry of Public Security on November 25, 2011 [H] List of Highly Toxic Substances, Notice No. 142 of the Ministry of Health in 2003

【H】《List of Highly Toxic Substances》, Notice No. 142 of the Ministry of Health in 2003 List of Highly Toxic Substances, Notice No. 142 of the Ministry of Health in 2003

Part 16 Other Information

Latest revision date: 2022/01/01

| Revision description

This SDS is revised in accordance with the standards such as "Contents and Item Sequence of Chemical Safety Data Sheets" (GB/T16483-2008) and "Guidelines for the Preparation of Chemical Safety Data Sheets" (GB/T17519-2013). Among them, the GHS classification results of chemicals are based on the "Guidelines for the Implementation of the Catalogue of Hazardous Chemicals (2015 Edition) (Trial)" and "Chemical Classification and Labeling Specifications" (GB 30000.2-2013-GB 30000.29-2013) series of standards.

| References

【1】International Programme on Chemical Safety: International Chemical Safety Cards (ICSCs), Website: <http://www.ilo.org/dyn/icsc/showcard.home>

【2】International Agency for Research on Cancer, Website: <http://www.iarc.fr/>.

【3】OECD Global Chemical Information Platform, Website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

【4】US CAMEO Chemical Substance Database. Website: <http://cameochemicals.noaa.aov/search/simple>

【5】U.S. Library of Medicine: Chemical Identification Database. Website: <http://chem.sis.nlm.nih.aov/chemidplus/chemidlite.jsp>

【6】U.S. Environmental Protection Agency: Integrated Hazards Information System, Website: <http://cfpub.epa.gov/iris/>

【7】U.S. Department of Transportation: Emergency Response Guide, Website: <http://www.phmsa.dot.gov/hazmat/library/erg>

【8】German GESTIS - Hazardous Substances Database, Website: <http://gestis-en.itrust.de/>

| Abbreviations

CAS- Chemical Abstracts Number

PC-STEL- Short-term Exposure Tolerance

DNEL- Derived No Effect Level

RPE- Respiratory Protective Equipment

LC₅₀- 50% Lethal Concentration

NOEC- No Observed Effect Concentration

PBT- Persistent, Bioaccumulative, Toxic

BCF- Bioconcentration Factor (BCF)

CMR- Carcinogenic, Teratogenic and Reproductive Toxic Chemicals

IMDG- International Maritime Organization

UN- United Nations

NFPA- National Fire Protection Association

TSCA- US TSCA Chemical Inventory

PC-TWA- Time Weighted Average

IARC- International Agency for Research on Cancer

PNEC- Predicted No Effect Concentration

LD₅₀- 50% Lethal Dose

EC₅₀- 50% Effective Concentration

POW- Octanol/Water Partition Coefficient

vPVB- Persistence, Bioaccumulation

ICAO/IATA-International Civil Aviation Organization/International Air Transport Association

ACGIH-American Conference of Industrial Hygienists

OECD-Organization for Economic Cooperation and Development

| Disclaimer

The format of this safety data sheet complies with the requirements of GB/T16483 and GB/T17519 of my country. The data comes from international authoritative databases and data submitted by enterprises. Other information is based on the knowledge currently mastered by the company. We try to ensure the correctness of all information, but due to the diversity of information sources and the limitations of the knowledge mastered by the company, this document is for reference only. Users of the safety data sheet should make judgments on the rationality of relevant information based on the purpose of use. We do not assume any responsibility for any damage caused by the operation, storage, use or disposal of this product.