



**Applicant:** EPOCH MASTER GLOBAL BUSINESS (JIANGSU)  
**Address:** RM.3-93,TENGFEI BUILDING,NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION PARK,NANJING ZONE, (JIANGSU) PILOT FREE TRADE ZONE, CHINA

**Sample information:**

Sample name: Sodium sulphide

Model: /

Sample composition/raw material (supplied by client): Refer to section 3 of the MSDS"Composition/Information on Ingredient"

Edit period: From September 30, 2018 to September 30, 2018

**Required service** : As specified by the client, to edit Material Safety Data Sheet (MSDS) by the submitted sample information.

**Summary** : As specified by the client, This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200). Please refer to the attached report for details.

Shanghai Fajin Testing Technology Co.,Ltd

Approved by  



# Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 7. and The EU CLP REGULATION (EC) No 1272/2008

## Section 1 - Chemical Product and Company Identification

### 1.1 Product Identification:

Product Name: Sodium sulphide  
Product Model: /

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

Identified uses: Sodium sulphide  
Use advised against: No data available.

### 1.3 Details of the Manufacture or supplier

Manufacture: EPOCH MASTER GLOBAL BUSINESS (JIANGSU)  
Address: RM.3-93, TENGFEI BUILDING, NO.88 JIANGMIAO RD., RESEARCH AND INNOVATION  
PARK, NANJING ZONE, (JIANGSU) PILOT FREE TRADE ZONE, CHINA  
Telephone: +86-258336556  
Email: sales01@epoch-master.com

### 1.4 Emergency telephone number

Emergency Telephone: 13770711448

## Section 2 - Hazards Identification

### 2.1 Classification of the substance or mixture

GHS Classification: Acute toxicity (oral), category 4  
Skin corrosion, category 1A  
Serious eye damage, category 1  
Carcinogenicity, category 2  
Reproductive toxicity, category 2  
Specific Target Organ Toxicity — Repeated exposure, category 2

### 2.2 GHS Label elements, including precautionary statements

Pictogram(s):



Signal Word:

**Danger**

Hazard Statement:

H302: Harmful if swallowed  
 H311: Toxic in contact with skin  
 H314: Causes severe skin burns and eye damage  
 H400: Very toxic to aquatic life

Precautionary statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray  
 P264: Wash thoroughly after handling  
 P270: Do not eat, drink or smoke when using this product  
 P273: Avoid release to the environment  
 P280: Wear protective gloves/protective clothing/eye protection/face protection

Response Precautionary Statements:

P310: Immediately call a POISON CENTER or doctor/physician  
 P361: Remove/Take off immediately all contaminated clothing  
 P363: Wash contaminated clothing before reuse  
 P391: Collect spillage  
 P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Storage Precautionary Statements:

P405: Store locked up

Disposal Precautionary Statements:

P501: Dispose of contents and container in accordance with local / regional / national / international regulations.

**2.3 Description of any hazards not otherwise classified**

Contact with acids liberates toxic gas. Corrosive to the respiratory tract. See section 11 for more detailed information on health effects and symptoms.

**Section 3 - Composition/Information on Ingredient**

Substance ( ) Preparation (✓) Article ( )

Composition:

| Chemical name   | CAS No.   | Content (%) |
|-----------------|-----------|-------------|
| Sodium sulphide | 1313-82-2 | ≥60%        |

Note: CAS No. is Chemical Abstract Service Registry Number.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures:

**General advice:** Immediate medical attention is required. Show this SDS to the doctor in attendance.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek medical advice.

**Skin Contact:** Remove and isolate contaminated clothing and shoes. Wash off with soap and plenty of water. If irritation or a rash occurs and persists, contact a doctor. Wash contaminated clothing before reuse.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing, contact a doctor immediately.

**Ingestion:** Call a poison centre or doctor/physician immediately. Take victim immediately to hospital.

If victim is conscious: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Do not give anything to drink.

If victim is unconscious but breathing: Artificial respiration and/or oxygen may be necessary.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Symptoms may be delayed.

## Section 5 -Extinguishing media

### 5.1 Extinguishing media

**Suitable extinguishing media:** Powder, Foam, AFFF.

**Unsuitable extinguishing media:** Never use water. Carbon dioxide (CO<sub>2</sub>).

### 5.2 Special hazards arising from the substance or mixture

This product is not combustible. Corrosive solid. Hazardous decomposition products in the fire - sulfur oxides, etc.

### 5.3 Advice for firefighters

Evacuate personnel to safe areas. Wear self-contained breathing apparatus and suitable protective equipment for firefighting. Fight fire from a safe distance, with adequate cover.

### 5.4 Further information

Keep product and empty container away from heat and sources of ignition. Control the use of water due to environmental risk.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

### 6.1 Personal precautions, protective equipment and emergency procedures:

- Isolate the area.
- Prevent further leakage or spillage if safe to do so.
- Refer to protective measures listed in section "Handling and storage" and "Exposure controls / personal protection".
- Wear self-contained breathing apparatus in confined spaces, in cases where the oxygen level is depleted, or in case of significant emissions.

### 6.2 Environmental precautions:

- Avoid release to the environment.
- Do not flush into surface water or sanitary sewer system.
- If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up:

- Collect spillage.
- Keep in suitable, closed containers for disposal.
- Keep in properly labelled containers.
- Store in a place accessible by authorized persons only.
- Treat recovered material as described in the section "Disposal considerations".

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

Wear suitable personal protective equipment in section 8.

Use in well-ventilated areas. Minimize dust generation and accumulation.

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Do not eat, drink or smoke at work place.

Keep container tightly closed when not in use.

Wash thoroughly after handling.

Keep away from heat/sparks/open flames/hot surfaces – No smoking

Keep/Store away from clothing/combustible materials

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep locked up or in an area accessible only to qualified or authorised persons. Keep away from heat and sources of ignition.

**Section 8 - Exposure Controls, Personal Protection**

**8.1 Exposure Limits:** Not established.

**8.2 Exposure controls**

**Engineering Control:**

- Ensure adequate ventilation.
- Provide local ventilation appropriate to the product decomposition risk (see section “Stability and reactivity”).
- Apply technical measures to comply with the occupational exposure limits.
- Refer to protective measures listed in section “Handling and storage” and “Exposure controls / personal protection”.

**Personal protective equipment:**

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eyes Protection:** Safety goggles or eye protection in combination with breathing protection..

**Body Protection:** Wear protective clothing, rubber boots..

**Hands Protection:** Handle with chemical-resistant gloves. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**Other Protections:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Section 9 - Physical and Chemical Properties**

| Information on basic physical and chemical properties |                                    |
|---|------------------------------------|
| Appearance  | Flaky particles                    |
| Color   | Light brown                        |
| Odor  | Slight irritating odor.            |
| pH  | Not available.                     |
| Melting point/freezing point                          | Not available.                     |
| Initial boiling point and boiling range               | Not available.                     |
| Flash point   | Not applicable.                    |
| Evaporation rate                                      | Not available.                     |
| Flammability  | Not classified as flammable solid. |
| Upper explosive limit % (V/V)                         | Not applicable.                    |
| Lower explosive limit % (V/V)                         | Not applicable.                    |
| Vapor pressure  | Not available.                     |
| Vapor density   | Not available.                     |
| Relative density                                      | Not available.                     |
| Solubility(ies)                                       | Soluble in water                   |
| Partition coefficient: n-octanol/water                | Not available.                     |
| Auto-ignition temperature                             | Not applicable.                    |
| Decomposition temperature                             | 920-950°C (decomposition)          |
| Viscosity   | Not available.                     |

## Section 10 - Stability and Reactivity

- 10.1 Stability: May be corrosive to metals. Stable under recommended storage conditions.
- 10.2 Conditions to Avoid: Heat. Exposure to moisture.
- 10.3 Incompatible materials: Acids, oxidizing agents, metals, e.g. aluminium, carbon dioxide (CO<sub>2</sub>).
- 10.4 Hazardous Decomposition Products: Hydrogen sulfide, sulfur dioxide.
- 10.5 Possibility of hazardous reactions: Contact with acids liberates toxic gas.

## Section 11 - Toxicological Information

Acute Toxicity:

| Ingredient  | CAS No.  | LD50-Rat-Oral | LC50-Rat-inhalation | LD50-Rabbit-skin |
|---|--|---------------|---------------------|------------------|
| Sodium sulphide   | 1313-82-2  | 208mg/kg      | -                   | -                |
| <b>Skin Corrosion/Irritation:</b>   | Causes skin burn.  |               |                     |                  |
| <b>Serious Eye Damage/Eye Irritation :</b>  | Causes severe eye damage.  |               |                     |                  |
| <b>Respiratory or Skin Sensitization</b>  | Based on available data, the classification criteria are not met.  |               |                     |                  |
| <b>Germ Cell Mutagenicity</b>   | Based on available data, the classification criteria are not met.  |               |                     |                  |
| <b>Carcinogenicity:</b>   | None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.  |               |                     |                  |
| <b>Reproductive Toxicity:</b>   | May damage fertility or the unborn child.  |               |                     |                  |
| <b>Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):</b>   | Based on available data, the classification criteria are not met.  |               |                     |                  |
| <b>Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):</b> | May cause damage to organs through prolonged or repeated exposure.   |               |                     |                  |
| <b>Aspiration Hazard:</b>   | Based on available data, the classification criteria are not met.  |               |                     |                  |
| <b>Potential Health Effects:</b>  |  |               |                     |                  |
| <b>Inhalation:</b>  | May cause respiratory tract irritation. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. |               |                     |                  |
| <b>Skin Contact:</b>  | Causes skin burn. Toxic in contact with skin.  |               |                     |                  |
| <b>Eye Contact:</b>   | Causes serious eye damage.   |               |                     |                  |
| <b>Ingestion:</b>   | Not an expected route of exposure. Cause burn if swallowed.  |               |                     |                  |

## Section 12 - Ecological Information

### 12.1 Toxicity

No data available

### 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**

Very toxic to aquatic life.

**Section 13 - Disposal Considerations**

**Waste treatment methods**

**Product**

Do not dispose of into sewage systems or surface waters. Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

**Contaminated packaging**

Hazardous material may residue in contaminated package. Disposed contaminated packaging in the same measure of product.

**Section 14 - Transport Information**

**14.1 UN Number :**

ADR/RID, IMDG, IATA                      1849

**14.2 UN proper shipping name:**

ADR/RID, IMDG, IATA                      SODIUM SULPHIDE, HYDRATED with not less than 30% water

**14.3 Transport hazard class(es):**

ADR/RID, IMDG, IATA                      8

**14.4 Packing group:**

ADR/RID, IMDG, IATA                      II

**14.5 Environmental hazards:**            Marine pollutants (yes / no): Yes

**14.6 Special precautions for user :**    No information available.

**Section 15 - Regulatory Information**

**EU Regulations**

**Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Corrosive to metals (Category 1), H290  
 Acute toxicity, Oral (Category 3), H301  
 Acute toxicity, Dermal (Category 3), H311  
 Skin corrosion (Category 1B), H314  
 Acute aquatic toxicity (Category 1), H400

**US Regulations**

**USA SARA**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components (Specific toxic chemical listings)**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA Title III Section 311/312 Hazard Categories**

Reactivity Hazard, Acute Health Hazard

**California Proposition 65:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Section 16 - Additional Information**

**Abbreviations:**

- pH- Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
- OSHA- Occupational Safety and Health Administration
- NTP- National Toxicology Program
- IARC- International Agency for Research on Cancer
- CAS#- Chemical Abstract Service number - used to uniquely identify chemical compounds
- ACGIH- The American Conference of Governmental Industrial Hygienists
- ADR- Agreement on Dangerous Goods by Road
- IATA - International Air Transport Association
- IMDG- International Maritime Dangerous Goods

**Further Information:**

-This safety data sheet was prepared in accordance with UN GHS Rev.7, The EU CLP REGULATION (EC) No 1272/2008, and US OSHA Hazard Communication Standards (29 CFR 1910.1200).

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since



this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Department Issuing MSDS:** EPOCH MASTER GLOBAL BUSINESS (JIANGSU)

**Issue Date:** September 30, 2018

\*\*\*End of MSDS\*\*\*