



## **1. Identification of the substance/preparation and of the company/undertaking**

### *Identification of the product*

Catalogue No.: 101509

Product name: Sodium sulfate anhydrous

### *Manufacturer/supplier identification*

Company: TIANJIN CREDIT INTERNATIONAL CO., LIMITED.

ADD: The Tradespeople Investment Mansion, Yingbin Avenue, Binhai New Area XiangLuoWan, Tianjin, China.

FAX: 0086-22-25761078 Email: credit@credit-chem.com

## **2. Composition/information on ingredients**

CAS-No.: 7757-82-6

EC-No.: 231-820-9

*M*: 142.04 g/mol

Formula Hill:

Na<sub>2</sub>O<sub>4</sub>S Chemical

formula: Na<sub>2</sub>SO<sub>4</sub>

## **3. Hazards identification**

No hazardous product as specified in Directive 67/548/EEC.

## **4. First aid measures**

After inhalation (large amounts of dusts): Fresh air. Consult doctor if feeling unwell. After skin contact: wash off under running water. Remove contaminated clothing.

After eye contact (particles, dusts): Rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist if necessary.

After swallowing (large amounts): consult doctor if feeling unwell.

## **5. Fire-fighting measures**

Suitable extinguishing media:

In adaptation to materials stored in the immediate neighbourhood. Special risks:

Non-combustible. Ambient fire may liberate hazardous vapours. The following may develop in event of fire:  
sulfur oxides.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without chemical protection suit and



respiratory protective equipment. Other information:  
Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

## **6. Accidental release measures**

Person-related precautionary measures:

Avoid generation of dusts; do not inhale dusts. Environmental-

protection measures:

Do not allow to enter sewerage system.

Procedures for cleaning / absorption:

Take up dry. Forward for disposal. Clean up affected area.

## **7. Handling and storage**

*Handling:*

No further requirements.

*Storage:*



Tightly closed. Dry. Storage temperature: no restrictions.

## 8. Exposure controls/personal protection

*Personal protective equipment:*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated. Eye protection: required

Hand protection: Use recommended

Industrial hygiene:

Change contaminated clothing. Wash hands after working with substance.

## 9. Physical and chemical properties

Form: solid

Colour

white

Odour:

odourless

pH value

at 50 g/l H<sub>2</sub>O (20 °C)  
5.2-9.2

Melting point 888 °C

Boiling point not

applicable Ignition

temperature not

applicable Flash point

not applicable Explosion

limits

lower not  
available

upper not  
available

Vapour pressure not applicable

Density (20 °C) 2.70 g/cm<sup>3</sup>

Bulk density ~ 1400-1600 kg/m<sup>3</sup>

Solubility in

water (20 °C)

200 g/l

ethanol



insoluble  
Thermal  
decomposition >  
890 °C Particle size  
0.25-2.00 mm

## 10. Stability and reactivity

*Conditions to be  
avoided* no  
information  
available

*Substances to be  
avoided* no  
information  
available

*Hazardous decomposition  
products* in the event of  
fire: See chapter 5.

*Further information*  
hygroscopic.

## 11. Toxicological information

*Acute toxicity*  
Quantitative data on the toxicity of this  
product are not available. Specific symptoms  
in animal studies:

Skin irritation test (rabbit): No  
irritation. Eye irritation test  
(rabbit): Slight irritations.

*Subacute to chronic toxicity*  
Bacterial mutagenicity:



Escherichia coli:  
negative. Ames-  
Test: negative.

*Further toxicological information*

After eye contact: Slight irritations.

After swallowing of large amounts: cardiovascular disorders.

Symptoms in: gastrointestinal tract. Possible symptoms: nausea,  
vomiting.

*Further data*

The product should be handled with the care usual when dealing with chemicals.

## **12. Ecological information**

Biologic degradation:

Methods for the determination of biodegradability are not  
applicable to inorganic substances. Behavior in environmental  
compartments:

Concentration in organisms is not  
to be expected. Ecotoxic effects:

Biological effects:

Fish toxicity: *Gambusia affinis* LC50: 120 mg/l /96 h; *L. macrochirus*  
LC50: ~3040-4380 mg/l /96 h; *P. promelas* LC50: 13500-14500 mg/l  
/96 h;

Daphnia toxicity: *Daphnia magna* EC50:  
2564 mg/l /48 h. Further ecologic data:

The following applies to sulfate in general: biological effects: fish: toxic as from 7  
g/l ; bacteria: toxic as from  
2.5 g/l .

Do not allow to enter waters, waste water, or soil!

## **13. Disposal considerations**

*Product:*

There are no uniform regulations for the disposal of chemicals or residues.  
Chemical residues generally count as special waste. The disposal of the latter is  
regulated through corresponding laws and regulations. We recommend that you  
contact either the authorities in charge or approved waste disposal companies  
which will advise you on how to dispose of special waste.

*Packaging:*

Disposal in compliance with official regulations. Handle contaminated packaging  
in the same way as the substance itself. If not officially specified differently, non-



contaminated packaging may be treated like household waste or recycled.

**14. Transport information**

Entire package: not subject to transport regulations.

**15. Regulatory information**

*Labelling according to EC Directives*

Symbol: ---

R-phrases: ---

S-phrases: --

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**16. Other information**

General update.

*Regional representation:*

This information is given on the authorised Safety Data Sheet for your country.