



上海农安国际贸易有限公司

Shanghai SafeChem International Trade Co.,Ltd.

TEL: +862150812734, 50813171, 58200369, 58306260 Fax:
+862150812742

Material Safety Data Sheet

**** SECTION 1 - IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY ****

1.1 Product identifier

Product name : TITANIUM OXYSULFATE 93%

CAS-No. : 13825-74-6

1.2 Relevant identified uses of the substance and uses advised against

Uses of the substance : Chemical intermediates

1.3. Details of the supplier of the safety data sheet

Shanghai Safechem International Trade Co., Ltd.

Rm11/A Zhong Cheng Building No.818 DongFang Road,

Pudong New Area, Shanghai 200122 China, Tel: 0086-21-50812734,58200369, Fax:0086-21-50812742

1.4 Emergency telephone number

Emergency phone number: 0086-21-58306260

**** SECTION 2 - HAZARDS IDENTIFICATION ****

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Corrosive to metals (Category 1), H290

Skin corrosion (Category 1A), H314

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal word

Danger

Hazard statement(s)

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.



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P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

2.3 Other hazards

No other hazards known.

**** SECTION 3 - COMPOSITION AND INFORMATION ABOUT THE INGREDIENTS ****

3.1 Substances

Substance	Content	EC N°	CAS-number	Classification
				CLP 1272/2008
Titanium Oxysulfate	93%	237-523-0	13825-74-6	Danger H290, H314
Water	7%		7732-18-5	

Formula : O5STi

Molecular Weight : 159.93 g/mol

**** 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

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. 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

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.



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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 - FIRE FIGHTING MEASURES ******

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Sulphur oxides, Titanium/titanium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 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. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Additional advice

Check also for any local site procedures.

6.4 Reference to other sections

For disposal see section 13.

****** SECTION 7 - HANDLING AND STORAGE ******



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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.

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): Flammable solid hazardous materials

7.3 Specific end uses

no data available

****** 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 protection

Face shield and safety glasses 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, 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).



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Control of environmental exposure

Do not let product enter drains.



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**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

9.1 Information on basic physical and chemical properties

a) Appearance

Physical State : Solid

Appearance : White

b) Odour : no data available

c) Odour Threshold : no data available

d) pH : No data available

e) Melting point/freezing point : No data available

f) Initial boiling point and boiling range : No data available

g) Flash point : No data available

h) Evaporation rate : No data available

i) Flammability (solid, gas) : No data available

j) Upper/lower flammability : No data available

k) Vapour pressure : No data available

l) Vapour density : No data available

m) Relative density : No data available

n) Water solubility : No data available

o) Partition coefficient (n- octanol/water) : No data available

p) Autoignition temperature : no data available

q) Decomposition temperature : No data available

r) Viscosity : no data available

s) Explosive properties : No data available

t) Oxidizing properties : no data available

9.2 Other information : no data available

**** SECTION 10 - STABILITY AND REACTIVITY ****

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions



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No data available

10.4 Conditions to avoid

Keep away from direct sunlight. Avoid moisture.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Sulphur oxides, Titanium/titanium oxides

Other decomposition products - No data available

****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

11.1 Information on toxicological effects

Acute oral : No data available

Acute dermal : No data available

Acute Inhalation : No data available

Eye and Skin : No data available

Sensitization : No data available

Germ cell mutagenicity

No data available

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: No data available.



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**** 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

No data available

**** SECTION 13 - INSTRUCTIONS FOR DISPOSAL ****

13.1 Waste treatment 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 chem scrubber.

Contaminated packaging

Dispose of as unused product.

**** SECTION 14 - TRANSPORT INFORMATION ****

According to ADN/ADR/UK 'Carriage' Regulations/RID/IMDG/IATA classified as dangerous goods.

14.1 UN number

ADR/RID: 3260

IMDG: 3260

IATA: 3260

14.2 UN proper shipping name

ADR/RID : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Titanium oxidesulphate)

IMDG : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Titanium oxidesulphate)

IATA : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Titanium oxidesulphate)

14.3 Transport hazard class(es)



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ADR/RID: 8 IMDG: 8 IATA: 8

14.4 Packing group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

ADR/RID: no IMDG Marine Pollutant: Yes IATA: no

14.6 Special precautions for user

Further information

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. 1272/2008

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

****** SECTION 16 - ADDITIONAL INFORMATION ******

Full text of H-Statements see sections 2.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

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