



CHUANG XIN

福建创鑫科技开发有限公司

FUJIAN CHUANG XIN SCIENCE AND DEVELOPS CO., LTD.

Tel : +86-591-83704867 Fax: +86-591-83753263 E-mail:kfb@fjirs.ac.cn

MATERIAL SAFETY DATA SHEET

Section 1 - Product and company information

Product Name : 1,3,2-Dioxathiolane 2,2-dioxide (98%)

Synonyms : Ethylene Sulfate (DTD)

Company : FuJian Chuangxin Science and Develops Co.,Ltd.

Phone : +86-591-83704867

Fax : +86-591-83753263

E-mail address : kfb@fjirms.ac.cn

Section 2. Composition/information on ingredients

Formula : C₂H₄O₄S

Molecular Weight : 124,12 g/mol

CAS-No. :1072-53-3

Section 3. Hazards summarizing

This substance is not classified as dangerous according to Directive 67/548/EEC.

Section 4. First aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Section 5. Fire-fighting measures

Suitable extinguishing media

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

Section 6. Accidental release measures

Personal precautions



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Avoid dust formation.

Environmental precautions

Do not let product enter drains.

Methods and materials for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and storage

Handling

Provide appropriate exhaust ventilation at places where dust is formed.
Normal measures for preventive fire protection.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Section 8. Exposure controls/personal protection

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses

Section 9. Physical and chemical properties

Appearance

Form : solid

Safety data

pH value : no data available

Melting point : 95 - 97 °C

Boiling point : no data available

Flash point : no data available

Auto-ignition temperature : no data available

Lower explosive limits : no data available



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Upper explosive limits no data available

Water solubility : no data available

Vapour pressure : no data available

Vapour density : no data available

Relative density : no data available

Partition coefficient : noctanol/water

Decomposition temperature : no data available

Section 10. Stability and reactivity

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides

Section 11. Toxicological information

Acute toxicity

no data available

Skin irritation and corrosion

no data available

Respiratory or skin sensitisation

no data available

Carcinogenicity

Carcinogenicity - mouse - Intraperitoneal

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Tumorigenic:Tumors at site or application.

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.

Potential health effects

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

Skin

May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.



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Ingestion May be harmful if swallowed.

Section 12. Ecological information

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

Section 13. Disposal considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14. Transport information

UN number

ADR/RID: 2810 IMDG: 2810 IATA: 2810

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

no data available

Section 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



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Section 16. Other information

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Fujian Chuangxin Science and Develops Co., Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.