

SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition

Version: 1.0

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SECTION 1. Identification of the substance

Product identifiers

Product name: Tyloxapol

CAS-No.: 25301-02-4

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

Identified uses: Laboratory chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

Company: CHEMLYTE SOLUTIONS CO., LTD

Address: A1-3-830, XiXi Center, No. 588, Wenyi West Road, Hangzhou 310000,
Zhejiang, China

Telephone: +86-(571)-85061365

Fax : +86-(571)-85060165

Emergency telephone number

Emergency Phone # : +1-703-527-3887

SECTION 2: Hazards identification

Ingredient	Content	CAS No.
Tyloxapol	99.0%	25301-02-4

SECTION 3: Overview of the Danger

Risk Category: /

Route of Entry: Touch

Health Hazard: Inhaled, ingested, or absorbed by the skin. It has a stimulating effect on the eyes and the skin. Prolonged exposure can cause headache, nausea, and vomiting.

Environmental Hazards: /

Fire and Explosion Danger: /

SECTION 4: Emergency Treatment

Skin Exposure: Take off the contaminated clothes and rinse with a lot of flowing water.

Eye Contact: Lift the eyelids and rinse with running water or normal saline. Seek medical advice.

Inhalation: Leave the scene to the fresh air. Keep the airway unobstructed. If breathing is difficult, give oxygen. Seek medical advice.

Ingestion: Drink enough warm water, induce vomiting. Seek medical advice.

SECTION 5: Fire Protection Measures

Hazardous Characteristics: This product is a non-combustible chemical.

Harmful Combustion Products: /

Fire Extinguishing Method: Spray with water, dry powder, carbon dioxide, chemical foam fire extinguishing.

SECTION 6: Emergency Treatment of Leakage

Emergency Handling: Absorbed with sand, vermiculite, or other inert materials. It can also be washed with a lot of water, diluted, and put into the wastewater system. When a large number of leakages occur, embankments should be built or dug for shelter.

SECTION 7: Operation, Disposal, and Storage

Operational Considerations: Avoid inhaling dust, steam, mist, or gas. Avoid contact with the skin and the eyes.

Storage Considerations: Store in a cool, dry place. Avoid direct sunlight. Store in a closed container.

SECTION 8: Exposure controls /personal protection

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Eye /face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

required

Body Protection

protective clothing

Respiratory protection

required when vapours /aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Appearance and Traits: Amber, sticky liquid

pH: 4–7

Melting Point (°C): [Not specified]

Relative Density (water = 1): [Not specified]

Boiling Point (°C): [Not specified]

Relative Vapor Density (air = 1): Non-available

Molecular Formula: (C₁₄H₂₂O.C₂H₄O.CH₂O)_n

Formula Weight: About 4200

Basis: Tyloxapol

Saturation Vapor Pressure (kPa): Non-available

Heat of Combustion (kJ /mol): Non-available

Critical Temperatures (°C): Non-available

Critical Pressure (MPa): Non-available

Octanol/Water Partition Coefficient: Non-available

Flash Point (°C): > 149°C

Bblast% (V/V): Non-available

Ignition Temperature (°C): [Not specified]

Lower Limit% (V/ V): Non-available

Solubility: Dissolved in glacial acetic acid, benzene, toluene, carbon tetrachloride, trichloromethane, carbon disulfide, and slowly miscible with any ratio of aqueous energy.

Main Application: Pharmaceutical excipients, solubilizer, emulsifier, etc.

Other Physicochemical Properties: [Not specified]

SECTION 10: Stability and reactivity

10.1 Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion /irritation

Remarks: No data available

Serious eye damage /eye irritation

Remarks: No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

Endocrine disrupting properties

Product:

Assessment : The substance /mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017 /2100 or Commission Regulation (EU) 2018 /605 at levels of 0.1% or higher. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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 Endocrine disrupting properties

Product:

Assessment : The substance /mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017 /2100 or Commission

Regulation (EU) 2018 /605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

SECTION 14: Transport information

14.1 UN number

ADR /RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR /RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR /RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR /RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR /RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations /legislation specific for the substance or mixture

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

Other regulations

Take note of Dir 94 /33 /EC on the protection of young people at work.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Further information

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