



## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier:

**Trade name:** Sodium thiosulfate 10% ≤ C < 20% (W/W) (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>)

**CAS-number:** 10102-17-7

**EINECS:** 231-867-5

**UFI:** Not applicable.

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

**Application of the substance / the mixture :** Laboratory, Research or Fabricage.

### 1.3 Details of the supplier of the safety data sheet:

**Downstream user**

Lab Supplies International

Broekstraat 4

5721 CT Someren

Netherlands

Tel:(+31) (0)493 - 672277

Fax:(+31) (0)439 - 672268

[E-mail : info@lsi.nl](mailto:info@lsi.nl)

### 1.4 Emergency telephone number:

UK Tel: +44 151 951 3317 - Health and Safety Executive (HSE) Chemicals Regulation Directorate (24/7)

Ireland Tel: +353 1 8092566 - Beaumont Hospital - National Poisons Information Centre (24/7)

(EU Tel: 112)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) nr. 1272/2008:**

The product is not classified according to the CLP regulation.

### 2.2 Label elements:

**Labelling according to Regulation (EC) nr. 1272/2008:**

Void.

**Hazard pictogram:**

Void.

**Signal word:**

Void.

**Hazard-determining components of labelling:**

Void.

**Hazard statements:**

Void.

**Precautionary statements:**

Void.

### 2.3 Other hazards:

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.



## SECTION 3: Composition/information on ingredients

### 3.2 Chemical characterisation: Mixtures

#### Description:

Mixture made by the following substances:

CAS: 10102-17-7  
EINECS: 231-867-5  
Index: -

Sodium thiosulfate 10% ≤ C < 20% (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>)

## SECTION 4: First aid measures

### 4.1 Description of first aid measures:

**General information:** No special measures required.

**After inhalation:** Supply fresh air; consult a doctor in case of complaints.

**After skin contact:** If skin irritation continues, consult a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

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

Sulfur oxides (SO<sub>x</sub>). Sodium compounds.

### 5.3 Advice for firefighters:

#### Protective equipment:

Do not inhale gases in case of fire or combustion.

#### Additional information:

Keep receptacles cool with water spray.



## SECTION 6: Accidental release measures

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

Not required.

### 6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

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

Pick up mechanically. For fine dusts use a vacuum cleaner.

### 6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Avoid formation of dust and aerosols.

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

#### Storage:

**Requirements to be met by storerooms:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None..

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** No further relevant information available.

### 8.2 Exposure controls:

#### Personal protective equipment:

#### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

#### Respiratory protection:

Not required.

#### Protection of hands:

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425.



## SECTION 8: Exposure controls/personal protection

### Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further Marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

### Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

#### General details:

#### Appearance:

Form:	Fluid.
Colour:	Colourless.
Odour:	Ether-like.
Odour threshold:	Not determined.

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pH-value at 20 °C: 7

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#### Change in condition:

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 100 °C.

Flash point: Not applicable.

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Flammability (solid, gas): Not applicable.

Ignition temperature:

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Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

#### Explosion limits:

onderste:	Not determined.
bovenste:	Not determined.

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Vapour pressure at 20 °C: Not determined.

Density at 20 °C: 1,2 g/cm<sup>3</sup>.

Relative density: Not determined.

Verdampingssnelheid: Not determined.

#### Solubility in / Miscibility with:

Water: Fully miscible.

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Partition coefficient: (n-octanol/water): Not determined.

Viscosity: Not determined.

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9.2 Other information: No further relevant information available.



## SECTION 10: Stability and reactivity

**10.1 Reactivity:** See 10.3

**10.2 Chemical stability:**

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** In case of fire: Sulfur Oxides (SO<sub>x</sub>). Sodium compounds.

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects:**

**LD/LC50 values relevant for classification:**

Oral - LD50 - >5000 mg/kg (rat)

**Primary irritant effect:**

**Skin corrosion/irritation:** No further relevant information available.

**Serious eye damage/irritation:** No further relevant information available.

**Ingestion:** It can be harmful if swallowed.

**Inhalation:** No further relevant information available.

**Germ cell mutagenicity:** No further relevant information available.

**Carcinogenicity:** No further relevant information available.

**Reproductive toxicity:** No further relevant information available.

**STOT-single exposure:** No further relevant information available.

**STOT-repeated exposure:** No further relevant information available.

## SECTION 12: Ecological information

**12.1 Toxicity:**

**Aquatic toxicity:**

EC50/48h    1223 mg/L (Daphnia) (Daphnia magna)

LC50/96h    >10,000 mg/L (fishes) (Pimephales promelas)

**12.2 Persistence and degradability:**    No further relevant information available.

**12.3 Bioaccumulative potential:**    No further relevant information available.

**12.4 Mobility in soil:**    No further relevant information available.

**Ecotoxicological effects:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5 Results of PBT- and vPvB-assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:**    No further relevant information available.





## SECTION 15: Regulatory information

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

**Directive 2012/18/EU:**

**Named dangerous substances - ANNEX I:** Substance is not listed.

**Information about limitation of use:** -

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative

**Sources:**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006, REACH, in the latest valid version.

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008, CLP, in the latest valid version.

Globally Harmonized System, GHS

ADR2017