IdentiPack
LEADER IN CUSTOMISED PACKAGING

Safety Data Sheet

According to 1907/2006/EG, article 31

Date: 31-10-2017 Version: 3.0 Revision date: 18-03-2024

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

1.1 Product identifier:

Trade name: Sodium Thiosulfate solution 48%

Product number: 600917

CAS No.: 10102-17-7

EINECS: -

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:

Downstreamuser

Identipack B.V.
Broekstraat 4
5711 CT Someren
NETHERLANDS

Tel: (+31) (0)493—672277
Fax: (+31) (0)493—672268
E-mail: info@identipack.com

1.4 Emergency telephone number:

UK Tel: +44 151 951 3317 - Health and Safety Executive (HSE) Chemicals Regulation Directorate (24/7)
Ireland Tel: +353 1 809 2566 - 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:

Not classified as a dangerous substance.

2.2 Label elements:

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

Not classified as a dangerous substance.

Hazard pictograms:

Not applicable.

Signal word:

Not applicable.

Hazard determining components of labelling:

Not applicable.

Hazard statements:

Not applicable.

Precautionary statements:
Not applicable.

2.3 Other hazards:

Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition / information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture made by the following components with other non-hazardous components.

Hazardous components:
CAS No.: -
EINECS No.: -
Index No.: -

Additional details:
Not applicable.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information: Remove contaminated clothing while protecting yourself.
After inhalation: Remove the casualty from the hazardous area and take him to the fresh air.
In case of skin contact: Cleanse the affected skin areas thoroughly with soap under running water.
After eye contact: Rinse the affected eye with widely spread lids for 10 minutes under running water whilst protecting the unimpaired eye.
In case of ingestion: Have the casualty rinse his or her mouth and spit out the liquid. Immediately have the casualty drink a glass of water in sips.

4.2 Most important symptoms and effects, both acute and delayed:
Probably only weak or moderate irritation to the eyes.

4.3 Indication of any immediate medical attention and special treatment needed:
Consult a doctor or poison centre (see page 1).

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Take normal precautions, extinguish fire from a reasonable distance.

5.2 Special hazards arising from the substance or mixture:

In the case of inclusion in an ambient fire sulphur oxides can be released.

5.3 Advice for firefighters:

Substance is incombustible. Select fire fighting measures according to the surrounding conditions.

Protective equipment:

Select appropriate measures according to the surrounding conditions.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate area. Warn affected surroundings.

6.2 Environmental precautions:

Low hazard to waters. Prevent penetration into water, drainage, sewer or the ground. Inform the responsible authorities when very large quantities get into water, drainage, sewer or the ground.

6.3 Methods and material for containment and cleaning up:

Take up with an absorbent. Afterwards ventilate area and wash spill site.

6.4 Reference to other sections:

Fire extinguishing measures, see Section 5. Personal protective equipment, see Section 8.
Incompatible materials, see Section 10. Disposal considerations, see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Handle an open container with care. Avoid any contact when handling the substance. Do not transport together with incompatible substances. Eye bath required.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Keep container tightly closed. Store in a cool place.
Keep container in a ventilated place. Preferably use unbreakable containers.
Information about storage in one common storage facility: Do not store with substances with which hazardous chemical reactions are possible.
Incompatible products: Strong oxidizing agents, alkali metal nitrate, potassium nitrite, metal nitrates, sodium nitrite, sodium peroxide, fluorine, acids.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls / personal protection

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:
Not determined.

Additional information: No further relevant information available.

8.2 Exposure controls:

Personal protective equipment:

General protective and hygienic measures:
Keep away from foods, beverages and other articles of consumption. Wash hands with soap and water before breaks and at the end of work. Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing.

Respiratory protection:
Wear respiratory protection (Particle filter P1, colour code white) in an emergency.
Avoid breathing directly above the container.

Protection of hands:
Wear protective gloves. The glove material must be sufficiently impermeable and resistant to the substance.
Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location. Pay attention to skin care. Skin protection cremes do not protect sufficiently against the substance.
Textile or leather gloves are completely unsuitable.

Material of gloves:
Wear protective gloves. The following materials are suitable for protective gloves (permeation time > 8 hours):
Natural rubber/Natural latex - NR (0,5 mm) (use non-powdered and allergen free products)
Polychloroprene - CR (0,5 mm)
Nitrile rubber/Nitrile latex—NBR (0,35 mm)
Butyl rubber - Butyl (0,5 mm)
Fluoro carbon rubber - FKM (0,4 mm)
Polyvinyl chloride - PVC (0,5 mm)

Permeation time of glove material:
This is mentioned above under “Material of gloves”.

Eye/face protection:
Wear chemical safety goggles.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	
Physical state:	Liquid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No data available
pH:	No data available
Change in condition:	
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined
Flammability (solid, gas):	Not relevant (liquid)
Ignition temperature:	
Decomposition temperature:	Not relevant
Auto-ignition temperature:	No data available
Explosive properties:	No data available
Explosion limits:	No data available
Lower:	
Upper:	
Vapour pressure at 20 degrees Celsius:	No data available
Density at 20 degrees Celsius:	No data available
Relative density:	No data available
Evaporation rate:	No data available
Solubility in / Miscibility with:	
Water:	Freely soluble in water
Partition coefficient (n-octanol/water):	No data available
Viscosity:	No data available

9.2 Other information: No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity: The substance can react dangerously with fluorine and acids.

10.2 Chemical stability:

Thermal decomposition / conditions to avoid: The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: In contact with strong oxidizing agents, alkali metal nitrate, potassium nitrite, metal nitrates, sodium nitrite, sodium peroxide.

10.4 Conditions to avoid: Keep away from substances with which hazardous chemical reactions are possible.

10.5 Incompatible materials: See 10.3

10.6 Hazardous decomposition products: See 5.2

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Primary irritant effect:

Skin corrosion/irritation: Shall not be classified as corrosive to the skin.

Serious eye damage/irritation: Can cause minor irritation to the eyes.

Respiratory or skin sensitisation: Shall not be classified as respiratory or skin sensitizer.

Germ cell mutagenicity: Shall not be classified as germ cell mutagenic.

Carcinogenicity: Shall not be classified as carcinogenic.

Reproductive toxicity: Shall not be classified as reproductive toxic.

STOT single exposure: Shall not be classified as STOT from single exposure.

STOT repeated exposure: Shall not be classified as STOT from repeated exposure.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic toxicity: Low hazard to waters. Prevent penetration into water, drainage, sewer or the ground.
Inform the responsible authorities about penetration of larger quantities.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: Insufficient data available.

12.4 Mobility in soil:

Ecotoxic effects:

General notes:

WGK Class 1 - low hazard to waters.

12.5 Results of PBT/vPvB assessment:

PBT: No further relevant information available.

vPvB: No further relevant information available.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation:

Non-hazardous waste according to Waste Catalogue Ordinance (AVV).
If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.
Contact a specialised waste processing company for recycling or safe waste processing.

Uncleaned packaging:

Uncleaned containers should be treated as waste, like mentioned above.

SECTION 14: Transport information

14.1 UN number:

Not subject to transport regulations.

14.2 UN proper shipping name:

Not subject to transport regulations.

14.3 Transport hazard class:

Not subject to transport regulations.

14.4 Packing group:

Not subject to transport regulations.

14.5 Environmental hazards:

Not subject to transport regulations.

14.6 Special precautions for user:

Not subject to transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not subject to transport regulations.

14.8 Transport/additional information:

Not subject to transport regulations.

SECTION 15: Regulatory information

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

General details:

German Water Hazard Class (WGK): WGK Class 1 - low hazard to waters.
EU Regulation (EG) nr. 1272/2008 (CLP) - Annex I
EU Regulation (EG) nr. 1907/2006 (REACH) - Annex XVII
EU Regulation (EU) nr. 453/2010 (REACH)

15.2 Chemical safety assessment: No data available.

SECTION 16: Other information

This Safety Data Sheet (SDS) has been written in accordance with EU legislation.
The information in this SDS is based on our present knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Users should always consult the most recent version of relevant regulations and any applicable local laws and regulations.

Relevant phrases:

Not applicable.

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)
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EINECS:	European Inventory of Existing Commercial Chemical Substances
GHS:	Globally Harmonized System of Classificatoin and Labelling of Chemicals
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
STOT:	Specific Target Organ Toxicity
WGK:	Wassergefährdungsklasse (German: Water Hazard Class)

Sources:

Regulation (EC) nr. 1907/2006 of the European Parliament and of the Council of 18 December 2006, REACH
Regulation (EC) nr. 1272/2008 of the European Parliament and of the Council of 16 December 2008, CLP
GESTIS Substance Database
Globally Harmonized System, GHS
ADR2017