

SAFETY DATA SHEET



Safety Data Sheet

(in accordance to Commission Regulation No.878/2020/EC)

Date of elaboration: 10.03.2018
Date of revision: 10.03.2023

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1.Product identifier
Chemical Name/Synonyms: –
Trade name: STERCOSUL®
CAS: –
EINECS/ELINCS: –
Registration number: –
UFI: –

1.2.Relevant identified uses of the substance or mixture
Professional use: Fertilizer
Photographic chemical
Consumer use: Fertilizer
Photographic chemical
Uses advised against: –

1.3.Details of the supplier of the safety data sheet:
Company name: Stercorat SLOVAKIA, s.r.o.
Street, No.: Vážie hrdlo 1
Zip Code: 821 07
City: Bratislava
State: Slovakia
Phone: + 421 2 4055 2231
Fax: –
E-mail: info@stercorat.eu
1.4.Emergency number:
call a National Toxicological
Information Center in your country

SECTION 2. HAZARD IDENTIFICATION

2.1.Classification in accordance with EP and Council Regulation 1272/2008 CLP: EUH210, EUH401

2.2.Label elements
Warning pictogram: –
Signal word: –
Hazard statement:
EUH210 - Safety data sheet available on request
EUH401 - To avoid risks to human health and environment, comply with the instructions for use
Precautionary statement:
P102 - Keep out of reach of children
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective gloves / protective clothing / eye protection / face protection.
P312 - In case of health problems, call the National Toxicological Information Center.
P302 + P352 - After skin contact: Wash off with plenty of water.
P305 + P351 + P338 - After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 + P364 - Contaminated clothing should be removed and washed before reuse.

P501 - Disposal of contents / container: may be disposed of as municipal waste.

2.3.Other hazards: –

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1.Substances: –
3.2.Mixtures:

Name of component:	Ammonium Thiosulphate	Ammonium Sulphate
Concentration:	< 60 wt. %	< 10 wt. %
CAS:	7783-18-8	7783-20-2
EC:	231-982-0	231-984-1
Registration number:	01-2119537325-41-0008	–
Classification:	–	–
H statements:	–	–
Signal word:	–	–
Workplace limits:	–	–
PBT /vPvB:	–	–
Nanostructure:	–	–
Other data:	–	–

SECTION 4. FIRST AID MEASURES

4.1.Description of first aid measures
Inhalation: Move victim to fresh air. In case of difficulties after dust inhalation contact doctor.
Eyes: Wash eyes with plenty of water during 15 minutes. If irritation persists, contact doctor.
Skin: Remove contaminated clothing. Wash the skin with water.
Ingestion: Do not induce vomiting. Contact doctor.

4.2.Most important symptoms and effects, both acute and delayed
Contact with eyes may result in burns and irritation. Long-term or repeated skin contact may cause irritation. In case of accidental ingestion, the product may cause irritation to the gastrointestinal tract and cause nausea, vomiting and diarrhea. When the product is heated, it produces toxic gas (ammonia or sulfur dioxide) whose inhalation can cause serious health problems.

4.3.Indication of any immediate medical attention and special treatment needed
In case of incidental ingestion or in case of any above mentioned difficulties contact doctor.

SECTION 5. FIRE - FIGHTING MEASURES

5.1.Extinguishing media
Suitable: not specified
Not to be used: not specified

5.2.Special hazards arising from the substance or mixture
Toxic decomposition products may form (carbon oxides, nitrogen oxides, sulphur oxides, ammonia) and smoke.

5.3.Advice for fire fighters
Use self-contained breathing apparatus. Wear protective clothing.

SAFETY DATA SHEET



SECTION 6.

ACCIDENTAL RELEASE MEASURES

6.1. Personal safety measures, protective equipment and emergency procedures, individual protective measures, personal protective equipment

Avoid prolonged contact with skin and eyes. Wear suitable personal protection. Avoid access of not protected and not informed persons.

Eye protection: protective glasses
Skin protection: protective glove
protective workwear
Respiratory protection: suitable respirator

6.2. Environmental precautions

Product is fertilizer and in low concentrations is not harmful to the environment. However it is necessary to avoid accumulation and/or disposal of high amounts of product in to the waters, watercourses and water sources and soil.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent materials (sand, sawdust, earth) and take for disposal in closed, labelled containers. Waste and contaminated absorbent materials place in suitable, labeled containers and dispose in accordance to regulations.

6.4. Reference to other sections

Personal protection: section 8
Waste disposal: section 13

SECTION 7.

HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Do not breathe vapours/ aerosols. Ensure ventilation of closed rooms. Do not eat, drink or fume. Keep safety and hygienic regulations for work with chemicals. Take off contaminated clothing. Close containers tightly.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original containers in a cool, dry and well-ventilated place protected from the weather (high temperatures and also frost). Store away from sources of ignition and away from incompatible materials. Unsuitable packaging material: may be corrosive to metals (see section 10.5)

Optimal storage temperature: from +5°C to +35°C

7.3. Specific end use(s)

Fertilizer
Photographic chemical

SECTION 8.

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

non on EU level

DNEL workers Ammonium Thiosulphate:

inhalation (long-term, systemic effect): 350 mg/m³

DNEL population Ammonium Thiosulphate:

inhalation (long-term, systemic effect): 104 mg/m³

oral (long-term, systemic effect): 13 mg/kg bw./day

8.2. Exposure controls

Eye protection: protective glasses
Skin protection: protective gloves
nitrile rubber (NBR): thickness:
0.11mm
penetration time: 480 min
protective workwear
Respiratory protection: necessary in case of aerosol
formation respirator (EN141)
Environmental exposure
control (PNEC): ammonium thiosulphate:
fresh water: 0.78 mg/l
sea water: 0.078 mg/l

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: liquid
Color: colorless - light yellow
clear liquid without visible impurities
Odour: characteristic (ammonia or sulphur
dioxide)
Odour threshold: data not available
pH: 6,5 - 8,5
Crystallization point [°C]⁽¹⁾: from -5 to +5
Freezing point [°C]⁽¹⁾: from -35 to -25
Salt out temperature [°C]^{(1),(2)}: from +10 to +30
Initial boiling point and
boiling range [°C]⁽¹⁾: 110
Flash point [°C]: data not available
Evaporation rate: data not available
Flammability: data not available
Explosiveness: non-explosive
Auto-ignition
temperature [°C]: data not available
Decomposition
temperature [°C]: data not available
Lower explosive limit: data not available
Upper explosive limit: data not available
Oxidation properties: data not available
Vapour pressure [hPa]: data not available
Vapour density: data not available
Relative density [g.cm⁻³]⁽¹⁾: 1,325 - 1,375
Solubility (water): miscible
Solubility (solvents) [g.l⁻¹]: data not available
Partition coefficient:
n-octanol/water: data not available
Viscosity: data not available

(1) depending upon concentration

(2) the temperature at which the formed crystals melt back to a liquid

9.2. Other information: -

SECTION 10.

STABILITY AND REACTIVITY

10.1. Reactivity: data not available
10.2. Chemical stability: stable under proposed
conditions of use and storage
10.3. Possibility of hazardous
reactions: may be corrosive to metals
10.4. Conditions to avoid: high temperature, direct
sunshine, sparks, open fire

SAFETY DATA SHEET



STERCORAT

10.5. Incompatible materials: strong oxidizing agents, strong acids and bases, gold, copper, zinc, tin and their alloys (bronze, brass, galvanized metals) and some types of mild steels

10.6. Hazardous decomposition products: In case of fire (see section 5)
Heating: ammonia, sulphur dioxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes defined in Regulation (EC) No. 1272/2008:

Acute toxicity LD₅₀ / LC₅₀

Oral:	Data not available
Dermal:	Data not available
Inhalation:	Data not available
Skin corrosion/irritation:	Data not available
Eye damage/irritation:	Data not available

Sensitizing properties

Skin:	Data not available
Respiratory system:	Data not available
Mutagenity:	No evidence
Reproduction toxicity:	No evidence
Carcinogenity:	No evidence
STOT SE:	Data not available
STOT RE:	Data not available
Aspiration toxicity:	Data not available

11.2. Information on other hazards:

Properties of endocrine disruptors

(spoilers): Data not available

Other information:

Contact with the eyes can lead to burning and irritation. Long-term or repeated contact with the skin may cause skin irritation. In case of accidental ingestion, the product can cause irritation of the digestive tract and cause nausea, vomiting and diarrhea. When the product is heated, a toxic gas (ammonia) is produced, the inhalation of which can cause serious health problems.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Aquatic toxicity: Ammonium thiosulphate: EC50, fish, 48 hour: 230 mg/l

12.2. Persistence and degradability: Data not available

12.3. Bioaccumulative potential: Data not available

12.4. Mobility in soil: Data not available

12.5. PBT a vPvB: Data not available

12.6. Properties of endocrine disruptors: Data are not available

12.7. Other adverse effects: No evidence

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Waste generation is not expected with recommended use. Dispose of the product waste in accordance with the Waste Act. European Waste Catalogue number: 06 06 99. After thorough rinsing, dispose of the emptied containers in separate collection. Dispose of heavily soiled packaging in the same way as waste.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

No dangerous good according to the transport regulations.

14.2. UN proper shipping name: -

14.3. Transport hazard class (es): -

14.4. Packing group: -

14.5. Environmental hazards: -

14.6. Special precautions for user: -

14.7. See transport in bulk: -

SECTION 15. REGULATORY INFORMATION

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

Regulation No 1907/2006 of EP and Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency Regulation No 1272/2008 of EP and Council on classification, labelling and packaging of substances and mixtures Commission Regulation 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Commission Directive 2000/39/EC on occupational exposure limits (OEL).

Restriction according to Commission Regulation No 552/2009 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards on Annex XVII: none

Candidate list substances (according to Annex XIV of EP and Council Regulation 1907/2006 REACH: none
Annex XIV substances: none

15.2. Chemical safety assessment: no assessment (mixture)

SECTION 16. OTHER INFORMATION

Revision No.1: change in legal regulations, addition of data, changes in sections 1,3,6,8,9,11,12,14,15,16

Wording of H-statements from section 3: -

Hazard classes: STOT SE: specific target organ toxicity, single exposition

STOT RE: specific target organ toxicity, repeated exposition

Abbreviations: OEL - occupational exposure limit

DNEL - Derived no effect level

PNEC - Predicted no effect concentration

Requirements for packaging in case of selling to the general public: none