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

- 1.1 Product identifier
- Trade name **LEGIOCID[®]C**
- Substance Sodium thiosulphate pentahydrate, sodium thiosulfate 5 hydrate
- CAS-Nr 10102-17-7
- 1.2 Use of substance Fixing salt
- 1.3 Supplier TCDO Produktionsgesellschaft mbH
Carola-Blome-Str. 7
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3
- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
Office hours:
MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00



2 Hazards identification

- 2.1 Classification of the substance or mixture
-  according to Directive (EC) N° 1272/2008
Not app.
The products is not classified hazardous.
-  according to Directive (EC) N° 1999/45
Not app.
The product is not classified hazardous.
- 2.2 Label elements
-  according to Directive (EC) 1272/2008
Not app.
The product is not classified hazardous according to Directive (EC) 1272/2008.
-  according to Directive (EC) N° 1999/45
Not app.
The product is not classified hazardous according to Directive (EC) N° 1999/45
- 2.3 Other hazard information
Unknown.

3 Information on the ingredients

3.1 Substance

Name	CAS # / EC # / Index #
Sodium thiosulphate pentahydrate, sodium thiosulfate 5 hydrate	10102-17-7 / 231-867-5 / ---

4 First-aid measures

4.1 Description of first-aid measures

No special measures required

 After inhalation


Move affected person immediately to fresh air. Consult physician if disturbances occur.

 After skin contact

Generally the product is not irritating to the skin. After skin contact, wash with plenty of water.

 After eye contact

After eye contact, rinse eye for 10 to 15 minutes with water holding eye lids apart. In case of eye irritation consult physician.

 After ingestion

Rinse mouth with water. Consult physician if discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed

Depending on patient's condition, symptoms and general condition should be evaluated by a physician.

5 Fire-fighting measures

5.1 Extinguishing media

 Suitable extinguishing media

CO₂, extinguishing powder or water spray.

 Unsuitable extinguishing media for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

Unknown.

5.3 Special protective actions for fire-fighters

Special protective equipment: Wear self-contained breathing apparatus and full protective clothing.

6 Accidental release of material

6.1 Personal precautions, protective equipment and emergency procedures

Not required

6.2 Environmental precautions

No special measures required

6.3 Methods and material for containment and cleaning up

Absorb mechanically. Dispose contaminated material as waste in proper container according to point 13.

6.4 Reference to other clauses

Protective measures see point 8
Disposal see point 13

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin. Do not inhale dust.

7.2 Conditions for safe storage including any incompatibilities

☉ Fire and explosion protection measures

No special measures required.

☉ Design of storage rooms and container

Keep container in a dry place.

☉ Material incompatibility

No data available.

☉ Recommended storage temperature

room temperature

☉ VbF class

not app.

7.3 Specific end uses

Fixing salt

8 Exposure controls/personal protection

8.1 Control parameters

The product does not contain relevant quantities of substances with components to be controlled with limiting values (at work).

8.2 Exposure controls

☾ General protective and hygiene measures

Follow usual precautions when dealing with chemicals.

Keep away from food, drink and fodder.

Do not eat or drink at work, wash hands before breaks and end of work.

☾ Respiratory protection

Not required.

☾ Hand protection

Not required.

☾ Eye protection

Tightly sealed goggles.

☾ Personal protection

Protective work wear.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

☾ Appearance	solid
☾ Colour	white
☾ Odour	odourless
☾ Melting point	48 °C
☾ Initial boiling point / boiling range	n. t.
☾ Flash point	Not app.
☾ Flammability	not flammable
☾ Danger of explosion	not explosive
☾ Density at 20°C	1,69 g/cm ³
☾ pH at 20 °C (248 g/l)	6,8
☾ Water solubility at 20°C	500 g/l

9.2 Other information

The product is slightly hygroscopic.

10 Stability and reactivity






10.1 Reactivity

No hazardous reaction when using according to intended purpose.

- 10.2 Chemical stability
No decomposition when using according to intended purpose.
- 10.3 Possibility of hazardous reactions
No dangerous reactions known.
- 10.4 Conditions to avoid
No decomposition when using according to intended purpose
- 10.5 Incompatible materials
No data available.
- 10.6 Hazardous decomposition products
No hazardous decomposition products known.



11 Toxicological information

- 11.1 Acute toxicity
-  Classification relevant LD/LC50-values
No data available.
 -  Primary irritations
Skin contact: No irritant action
Eye contact: No irritant action
 -  Sensitisation
No sensitizing effects known.
 -  Cancerogenity
The product does not contain any ingredients at a concentration equal or higher than 0,1%, being listed as carcinogen at the International Agency for Cancer Research (IARC) or the American Conference for Governmental Industrial Hygienic (ACGIH).
 -  Further information
The substance is not classified hazardous according to our information.
Based on our experience and the available information, the product has no unhealthy effects when appropriately handled and used according to intended purpose.
Follow usual precautions when dealing with chemicals







12 Ecological information

- 12.1 Toxicity
- Fish toxicity:
Pimephales promelas $LC_{50} > 10000$ mg/l / 96 h (origin: different safety data sheet)
- Daphnia toxicity:
 LC_{50} (Daphnia magna): 1223 mg/l 48 h (origin: different safety data sheet)

- 12.2 Persistence and degradability
No data available.
- 12.3 Bioaccumulative potential
No bioaccumulation expected.
- 12.4 Mobility in soil
No data available for the product itself.
- 12.5 Results of PBT- and vPvB-assessment
No data available.
- 12.6 Other adverse effects
Should not get in groundwater, waters or soil.



13 Disposal considerations

- 13.1 Waste treatment methods
Smaller amounts can be disposed of together with domestic water
-  Waste key number
51540 g (ÖNORM S 2100); List of waste
 -  Waste name
Other salts, readily soluble
 -  European waste catalogue
060314 (solid salts and solutions except 060311 and 060313)
- Notice: EAK-waste key is source-related. This may lead to another classification.
The decision is up to the enduser.
-  Contaminated packaging material
Recommendation: Empty container completely and deliver to a specialized company for
reconditioning, recycling or disposal.



14 Transport Information

- No dangerous good according to the Hazardous Material Transportation Act
- 14.1 UN-Number
Not applicable.
- 14.2 UN Proper Shipping Name
Not applicable.
- 14.3 Transport hazard class
Not applicable.
- 14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for the user

Not applicable.

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

Not applicable.




15 Regulatory information

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


This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006. The substance is categorized according to Directive (EC) 1272/2008 or rather Directive (EEC) 67/548 and is based on manufacturer's data.

National regulatory:

Austria:

-  Labelling according to BGBl II 2000/81 ChemV 1999. The product is not classified and doesn't require hazards identification.
-  ChemG 1996
This product is not classified hazardous according to the Austrian chemical legislation of 1996.
-  VbF - Directive about combustible liquids (BGBl 1991/240)
This product is not classified as combustible liquid.

Germany:

-  Classification in water hazard classes according VwVwS dated 17.05.1999 Annex 2 Index 386
1 (slightly hazardous for water)

15.2 Chemical Safety Assessment

No data available.

16 Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as a guidance for safe handling. The substance is categorized according to Directive (EC) 1272/2008 or rather Directive (EEC) 67/548 and is based on manufacturer's data.

-  Relevant R-Phrases

Not applicable.

⦿ Relevant H-Phrases

Not applicable.

⦿ Relevant hazard classification

Not applicable.

Issue

Number 2

Replaces number 1 dated 02.02.2010

Modification to Directive (EC) 453/2010

Amendments: article 1, 2, 12

⦿ Written by

UmEnA GmbH

⦿ Translated by

Wapotec GmbH

⦿ Short cuts

n. t. not tested

not app. not applicable

