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

1.1 Product identifier

Trade name
Sulfanilic acid

Substance name  sulphanilic-acid

Identification numbers
CAS no. 121-57-3
EC no. 204-482-5
Index no. 612-014-00-X

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

Relevant identified uses of the substance or mixture
chemical analysis

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
ELTRA GmbH
Retsch-Allee 1-5
42781 Haan
GERMANY
Telephone no. +49 (0) 2104 23 33-400
Fax no. +49 (0) 2104 23 33-499

Information provided by / telephone
+49 (0) 2104 23 33-192

Advice on Safety Data Sheet
info@eltra.com

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0) 551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)
Eye Irrit. 2; H319
Skin Irrit. 2; H315
Skin Sens. 1; H317

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3 and 4 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Product identifier
612-014-00-X (sulphanilic-acid)

Hazard pictograms
Trade name: Sulfanilic acid

Current version: 3.0.1, issued: 31.01.2020
Replaced version: 3.0.0, issued: 22.08.2018
Region: GB

SECTION 3: Composition/information on ingredients

3.1 Substances
Chemical characterization
Substance name: sulphanic-acid

Identification numbers
CAS no.: 121-57-3
EC no.: 204-482-5
Index no.: 612-014-00-X

3.2 Mixtures
Not applicable. The product is not a mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
If the patient is likely to become unconscious, place and transport in stable sideways position. Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation
Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

After skin contact
In case of contact with skin wash off immediately with soap and water. Seek medical attention.

After eye contact
Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical assistance.

After ingestion
Rinse out mouth and drink 200 - 300 ml water. Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed
Effects
Danger of formation of Methaemoglobin; Risk of cardiac rhythm disturbances. Risk of respiratory disorders.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures
5.1 Extinguishing media
- Suitable extinguishing media
  Water; Carbon dioxide; Foam; Extinguishing powder
- Unsuitable extinguishing media
  No data available.

5.2 Special hazards arising from the substance or mixture
In case of fires, hazardous combustion gases are formed: Nitrogen oxides (NOx)

5.3 Advice for firefighters
Use self-contained breathing apparatus. Run-off water from fire fighting must not be discharged into drains or enter surface water. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
- For non-emergency personnel
  Refer to protective measures listed in sections 7 and 8. Evacuate endangered area; Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation.
- For emergency responders
  No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
Do not discharge into surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up
Use chemical neutralising agents. Take up mechanically. Send in suitable containers for recovery or disposal.

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
- Advice on safe handling
  Provide good ventilation at the work area (local exhaust ventilation, if necessary). Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far it is possible by the state of the art.
  - General protective and hygiene measures
    Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Use barrier skin cream. Avoid contact with eyes and skin. Do not inhale dust. Provide eye wash fountain in work area. Have emergency shower available.

7.2 Conditions for safe storage, including any incompatibilities
- Technical measures and storage conditions
  Keep container tightly closed and dry in a cool, well-ventilated place.
  - Recommended storage temperature
    Value: 15 - 25 °C
- Requirements for storage rooms and vessels
  Always keep in containers of same material as the original. Containers which are opened must be carefully closed and kept upright to prevent leakage.

7.3 Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
No parameters available for monitoring.
8.2 Exposure controls

Appropriate engineering controls
No data available.

Personal protective equipment

Respiratory protection
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust, aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.
Respirator P2

Eye / face protection
Safety glasses (EN 166)

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer’s instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material nitrile rubber
Material thickness 0.11 mm
Breakthrough time > 480 min

Other
Normal chemical work clothing.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Form/Colour</th>
<th>solid</th>
<th>colourless</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>odourless</td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>2.5</td>
<td></td>
</tr>
<tr>
<td>Reference temperature</td>
<td>20 °C</td>
<td></td>
</tr>
<tr>
<td>Concentration</td>
<td>10 g/l</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Melting point / melting range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>288 °C</td>
<td></td>
</tr>
<tr>
<td>Decomposition point / decomposition range</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>288 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Value</td>
<td>&gt; 400 °C</td>
<td></td>
</tr>
<tr>
<td>Method</td>
<td>DIN 51794</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
No data available

**Oxidising properties**
No data available

**Explosive properties**
No data available

**Flammability (solid, gas)**
No data available

**Lower flammability or explosive limits**
No data available

**Upper flammability or explosive limits**
No data available

**Vapour pressure**
No data available

**Vapour density**
No data available

**Evaporation rate**
No data available

**Relative density**
No data available

**Density**

<table>
<thead>
<tr>
<th>Value</th>
<th>1.485 g/cm³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference temperature</td>
<td>25 °C</td>
</tr>
</tbody>
</table>

**Bulk density**

<table>
<thead>
<tr>
<th>Value</th>
<th>620 kg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference temperature</td>
<td>appr.</td>
</tr>
</tbody>
</table>

**Solubility in water**

<table>
<thead>
<tr>
<th>Value</th>
<th>10 g/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference temperature</td>
<td>20 °C</td>
</tr>
</tbody>
</table>

**Solubility(ies)**
No data available

**Partition coefficient: n-octanol/water**

<table>
<thead>
<tr>
<th>log Pow</th>
<th>2.16</th>
</tr>
</thead>
</table>

**Comments**
No significant bioaccumulation potential to be expected (log Pow <1).

**Viscosity**
No data available

### 9.2 Other information

**Other information**
No data available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity**
No data available.

**10.2 Chemical stability**
Stable if stored and handled properly.

**10.3 Possibility of hazardous reactions**
Hazardous reactions possible with Oxdationsmitteln and acids.

**10.4 Conditions to avoid**
Heat
10.5 Incompatible materials
   strong oxidizing agents; strong acids

10.6 Hazardous decomposition products
   Nitrous oxides (NOx); Sulphur dioxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50</td>
<td>12300 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>rat</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute dermal toxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute inhalational toxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
<td>rabbit</td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
</tr>
<tr>
<td>Evaluation</td>
<td>slightly irritant</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Serious eye damage/irritation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Species</td>
<td>rabbit</td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
</tr>
<tr>
<td>Evaluation</td>
<td>irritant</td>
</tr>
</tbody>
</table>

Respiratory or skin sensitisation

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>guinea pig</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Source</th>
<th>IUCLID</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>sensitizing</th>
</tr>
</thead>
</table>

Germ cell mutagenicity

<table>
<thead>
<tr>
<th>Type of examination</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Genotoxicity in vivo</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Species</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmonella typhimurium</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Method</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ames-Test</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>negative</th>
</tr>
</thead>
</table>

Reproduction toxicity

|          | No data available |

Carcinogenicity

|          | No data available |

STOT - single exposure

|          | No data available |

STOT - repeated exposure

|          | No data available |

Aspiration hazard

|          | No data available |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Possibility of sensitisation through skin contact.

Other information

Exercise customary precautions when handling chemicals.

SECTION 12: Ecological information
12.1 Toxicity

Toxicity to fish (acute)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>100.4</td>
<td>mg/l</td>
</tr>
<tr>
<td>Duration of exposure</td>
<td>96</td>
<td>h</td>
</tr>
<tr>
<td>Species</td>
<td>Pimephales promelas</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50</td>
<td>85.7</td>
<td>mg/l</td>
</tr>
<tr>
<td>Duration of exposure</td>
<td>48</td>
<td>h</td>
</tr>
<tr>
<td>Species</td>
<td>Daphnia magna</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC50</td>
<td>91</td>
<td>mg/l</td>
</tr>
<tr>
<td>Duration of exposure</td>
<td>72</td>
<td>h</td>
</tr>
<tr>
<td>Species</td>
<td>Desmodesmus subspicatus</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

Toxicity to algae (chronic)
No data available

Bacteria toxicity

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC0</td>
<td>&gt;= 10000</td>
<td>mg/l</td>
</tr>
<tr>
<td>Duration of exposure</td>
<td>24</td>
<td>h</td>
</tr>
<tr>
<td>Species</td>
<td>Pseudomonas fluorescens.</td>
<td></td>
</tr>
<tr>
<td>Source</td>
<td>IUCLID</td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

Biodegradability

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>31</td>
<td>%</td>
</tr>
<tr>
<td>Duration</td>
<td>28</td>
<td>day(s)</td>
</tr>
<tr>
<td>Method</td>
<td>OECD 301 B</td>
<td></td>
</tr>
<tr>
<td>Evaluation</td>
<td>not readily biodegradable</td>
<td></td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>log Pow</td>
<td>-2.16</td>
<td></td>
</tr>
<tr>
<td>Comments</td>
<td>No significant bioaccumulation potential to be expected (log Pow &lt;1).</td>
<td></td>
</tr>
</tbody>
</table>

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
No data available.

12.7 Other information

Other information
Do not let enter the product into drains or waterways and do not store on public depositories.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Product
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging
Packaging that cannot be cleaned should be disposed off as product waste. Uncontaminated packaging may be taken for recycling.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG
The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information
No data available.

14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user
No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
In accordance with the Reach regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

REACH candidate list of substances of very high concern (SVHC) for authorisation
In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
This substance is not subject to Part I or 2 of Annex I

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment
No data available.

SECTION 16: Other information

Further information
Article no. 90824, 50 g

Sources of key data used to compile the data sheet:
Trade name: Sulfanilic acid

National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet
UMCO GmbH
Georg-Wilhelm-Str. 187, D-21107 Hamburg
Tel.: +49 40 / 555 546 300  Fax: +49 40 / 555 546 357  e-mail: umco@umco.de

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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