SAFETY DATA SHEET

A safety data sheet is not required for this product under Article 31 of REACH. This SDS has been created on a voluntary basis.

CaTs®, calcium thiosulphate solutions

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

1.1 Product identifier:

- Product name: CaTs®, calcium thiosulphate solutions
- Synonyms: calcium thiosulphate, 20%=<conc<30%, aqueous solutions; thiosulfuric acid (H2S2O3), calcium salt (1:1), 20% =<conc<30%, aqueous solutions; calcium thiosulfate, 20%=<conc<30%, aqueous solutions; CaTs (=calcium thiosulphate, 20%=<conc<30%, aqueous solutions)

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

1.2.1 Relevant identified uses
- Fertilizer

1.2.2 Uses advised against
- No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet:
TESSENDERLO CHEMIE N.V.
Troonstraat 130
B-1050 Brussel
☎ +32 13 61 22 11
✉ +32 13 67 37 45
sds.responsible@tessenderlo.com

1.4 Emergency telephone number:
24h/24h (Telephone advice: English, French, German, Dutch):
+32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008
- Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC
- Not classified as dangerous according to the criteria of Directive(s) 67/548/EEC and/or 1999/45/EC

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)
- Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.3 Other hazards:

SECTION 3: Composition/information on ingredients

3.1 Substances:
- Not applicable

3.2 Mixtures:
CaTs®, calcium thiosulphate solutions

This mixture does not contain any notifiable substances

<table>
<thead>
<tr>
<th>Name (REACH Registration No)</th>
<th>CAS No EC No</th>
<th>Conc. (C)</th>
<th>Classification according to DSD/DPD</th>
<th>Classification according to CLP</th>
<th>Note</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium thiosulphate (01-2119982387-22)</td>
<td>10124-41-1 233-333-7</td>
<td>20% (&lt;\mathrm{C}&lt;&gt;30%)</td>
<td></td>
<td></td>
<td>(1)</td>
<td>Constituent</td>
</tr>
</tbody>
</table>

(1) For R-phrases and H-statements in full: see heading 16

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:
If you feel unwell, seek medical advice.

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Rinse with water. Take victim to a doctor if irritation persists.

After eye contact:
Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:
Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms
After inhalation:
No effects known.

After skin contact:
No effects known.

After eye contact:
No effects known.

After ingestion:
AFTER ABSORPTION OF HIGH QUANTITIES: Gastrointestinal complaints. Diarrhoea.

4.2.2 Delayed symptoms
No effects known.

4.3 Indication of any immediate medical attention and special treatment needed:
If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:
5.1.1 Suitable extinguishing media:
Adapt extinguishing media to the environment.

5.1.2 Unsuitable extinguishing media:
No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:
On heating/burning: release of toxic and corrosive gases/vapours (sulphur oxides).

5.3 Advice for firefighters:
5.3.1 Instructions:
Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

5.3.2 Special protective equipment for fire-fighters:

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
No naked flames.

6.1.1 Protective equipment for non-emergency personnel
See heading 8.2

6.1.2 Protective equipment for emergency responders
Gloves. Safety glasses. Protective clothing.
Suitable protective clothing

Reason for revision: Reach/CLP
Publication date: 2008-03-18
Date of revision: 2013-11-19
Revision number: 0100
Product number: 45883
### 6.2 Environmental precautions:
Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Take account of toxic/corrosive precipitation water.

### 6.3 Methods and material for containment and cleaning up:
Take up liquid spill into inert absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4 Reference to other sections:
See heading 13.

## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:
Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately.

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

#### 7.2.1 Safe storage requirements:
Storage temperature: <49 °C. Keep container in a well-ventilated place. Keep out of direct sunlight. Meet the legal requirements.

#### 7.2.2 Keep away from:
Heat sources, (strong) acids, oxidizing agents.

#### 7.2.3 Suitable packaging material:
No data available

#### 7.2.4 Non suitable packaging material:
Copper, zinc, bronze, carbon steel.

### 7.3 Specific end use(s):
If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure

- **a) Occupational exposure limit values**
  - If limit values are applicable and available these will be listed below.
- **b) National biological limit values**
  - If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

<table>
<thead>
<tr>
<th>Product name</th>
<th>Test</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 8.1.3 Applicable limit values when using the substance or mixture as intended
If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

##### DNEL - Workers
calcium thiosulphate

<table>
<thead>
<tr>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Long-term systemic effects inhalation</td>
<td>351 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

##### DNEL - General population
calcium thiosulphate

<table>
<thead>
<tr>
<th>Effect level (DNEL/DMEL)</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNEL</td>
<td>Long-term systemic effects inhalation</td>
<td>104 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Long-term systemic effects oral</td>
<td>14 mg/kg bw/day</td>
<td></td>
</tr>
</tbody>
</table>

##### PNEC
calcium thiosulphate

<table>
<thead>
<tr>
<th>Compartments</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fresh water</td>
<td>0.83 mg/l</td>
<td></td>
</tr>
<tr>
<td>Marine water</td>
<td>0.083 mg/l</td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>106.5 mg/l</td>
<td></td>
</tr>
</tbody>
</table>

#### 8.1.5 Control banding
If applicable and available it will be listed below.

### 8.2 Exposure controls:
The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls
Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment
Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:
Respiratory protection not required in normal conditions.

b) Hand protection:
Gloves.
- materials for protective clothing (good resistance)
  Neoprene.

c) Eye protection:
Safety glasses.

d) Skin protection:
Protective clothing.

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild odour</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Particle size</td>
<td>Not applicable (liquid)</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non combustible</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable (mixture)</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>0.0026 mPa.s ; 25 °C</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>water ; Complete</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.25</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No chemical group associated with explosive properties</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No chemical group associated with oxidising properties</td>
</tr>
<tr>
<td>pH</td>
<td>6.5-8.0</td>
</tr>
</tbody>
</table>

Physical hazards
No physical hazard class

9.2 Other information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum ignition energy</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Absolute density</td>
<td>1250 kg/m³</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Reactivity:
No data available.

10.2 Chemical stability:
Stable under normal conditions.
10.3 Possibility of hazardous reactions:
No data available.

10.4 Conditions to avoid:
Keep away from naked flames/heat.

10.5 Incompatible materials:
(strong) acids, oxidizing agents, copper, zinc, bronze, carbon steel.

10.6 Hazardous decomposition products:
Reacts with (some) acids: release of toxic and corrosive gases/vapours (sulphur oxides). On heating/burning: release of toxic and corrosive gases/vapours (sulphur oxides).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

### Acute toxicity

CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available calcium thiosulphate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>OECD 425</td>
<td>$&gt;$2000 mg/kg bw</td>
<td>Rat</td>
<td>Female</td>
<td>Experimental value</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>Equivalent to OECD 402</td>
<td>$&gt;$2000 mg/kg bw</td>
<td>Rabbit</td>
<td>Male/female</td>
<td>Read-across</td>
<td></td>
</tr>
<tr>
<td>Inhalation (dust)</td>
<td>LC50</td>
<td>Equivalent to OECD 403</td>
<td>$&gt;$5.5 mg/l air</td>
<td>4 h</td>
<td>Rat</td>
<td>Male/female</td>
<td>Read-across</td>
</tr>
<tr>
<td>Inhalation (dust)</td>
<td>LC50</td>
<td>Equivalent to OECD 403</td>
<td>$&gt;$22 mg/l air</td>
<td>1 h</td>
<td>Rat</td>
<td>Male/female</td>
<td>Read-across</td>
</tr>
<tr>
<td>Inhalation (aerosol)</td>
<td>LC50</td>
<td>Equivalent to OECD 403</td>
<td>$&gt;$2.6 mg/l air</td>
<td>4 h</td>
<td>Rat</td>
<td>Male/female</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

### Conclusion
Not classified for acute toxicity

### Corrosion/Irritation

CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available calcium thiosulphate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Time point</th>
<th>Species</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye</td>
<td>Not irritating</td>
<td>Equivalent to OECD 405</td>
<td></td>
<td>24; 48; 72 hours</td>
<td>Rabbit</td>
<td>Read-across</td>
</tr>
<tr>
<td>Skin</td>
<td>Not irritating</td>
<td>Equivalent to OECD 404</td>
<td>4 h</td>
<td>24; 48; 72 hours</td>
<td>Rabbit</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

### Conclusion
Not classified as irritating to the skin
Not classified as irritating to the eyes
Not classified as irritating to the respiratory system

### Respiratory or skin sensitisation

CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available calcium thiosulphate

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Result</th>
<th>Method</th>
<th>Exposure time</th>
<th>Observation time point</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal (on the ears)</td>
<td>Not sensitizing</td>
<td>OECD 429</td>
<td></td>
<td>Mouse</td>
<td>Female</td>
<td>Read-across</td>
<td></td>
</tr>
</tbody>
</table>

### Conclusion
Not classified as sensitizing for skin
Not classified as sensitizing for inhalation

### Specific target organ toxicity

CaTs®, calcium thiosulphate solutions

...
CaTs®, calcium thiosulphate solutions

No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Organ</th>
<th>Effect</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral (repeated exposure)</td>
<td>NOAEL local effects</td>
<td>169 mg/kg bw/day</td>
<td>No effect</td>
<td>Rat</td>
<td>Male/female</td>
<td>Read-across</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral (repeated exposure)</td>
<td>NOAEL systemic effects</td>
<td>1493 mg/kg bw/day</td>
<td>No effect</td>
<td>Rat</td>
<td>Male/female</td>
<td>Read-across</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Conclusion
Not classified for subchronic toxicity

Mutagenicity (in vitro)
CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Result</th>
<th>Method</th>
<th>Test substrate</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative with metabolic activation, negative without metabolic activation</td>
<td>Equivalent to OECD 473</td>
<td>Chinese hamster ovary (CHO)</td>
<td>No effect</td>
<td>Read-across</td>
</tr>
<tr>
<td>Negative</td>
<td>OECD 471</td>
<td>Bacteria (S. typhimurium)</td>
<td>No effect</td>
<td>Read-across</td>
</tr>
<tr>
<td>Negative</td>
<td>OECD 476</td>
<td>Mouse (lymphoma L5178Y cells)</td>
<td>No effect</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

Mutagenicity (in vivo)
CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available

Carcinogenicity
CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Route of exposure</th>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Value determination</th>
<th>Organ</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral (drinking water)</td>
<td>Dose level</td>
<td>Other</td>
<td>&gt;2500 mg/kg bw/day</td>
<td>24 month(s)</td>
<td>Mouse</td>
<td>Male/female</td>
<td>Read-across</td>
<td>No effect</td>
<td></td>
</tr>
</tbody>
</table>

Reproductive toxicity
CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Exposure time</th>
<th>Species</th>
<th>Gender</th>
<th>Effect</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effects on fertility</td>
<td>NOAEL (P/F1/F2)</td>
<td>1493 mg/kg bw/day</td>
<td>104 week(s)</td>
<td>Rat</td>
<td>Male/female</td>
<td>No effect</td>
<td>Read-across</td>
</tr>
</tbody>
</table>

Conclusion CMR
Not classified for carcinogenicity
Not classified for mutagenic or genotoxic toxicity
Not classified for reprotoxic or developmental toxicity

Toxicity other effects
CaTs®, calcium thiosulphate solutions
No (test)data on the mixture available

Chronic effects from short and long-term exposure
CaTs®, calcium thiosulphate solutions
No effects known.

SECTION 12: Ecological information

12.1 Toxicity:
CaTs®, calcium thiosulphate solutions
CaTs®, calcium thiosulphate solutions

No (test)data on the mixture available

calcium thiosulphate

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Method</th>
<th>Value</th>
<th>Duration</th>
<th>Species</th>
<th>Test design</th>
<th>Fresh/salt water</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity fishes</td>
<td>LC50</td>
<td>510 mg/l</td>
<td>96 h</td>
<td>Lepomis macrochirus</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Read-across; Nominal concentration</td>
</tr>
<tr>
<td>Acute toxicity invertebrates</td>
<td>EC50</td>
<td>230 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Read-across; Nominal concentration</td>
</tr>
<tr>
<td>Toxicity algae and other aquatic plants</td>
<td>EC50 OECD 201</td>
<td>&gt; 100 mg/l</td>
<td>72 h</td>
<td>Pseudokirchneriella subcapitata</td>
<td>Static system</td>
<td>Fresh water</td>
<td>Read-across; GLP</td>
</tr>
</tbody>
</table>

Judgement is based on the relevant ingredients of the mixture

**Conclusion**

Not classified as dangerous for the environment according to the criteria of Directive 1999/45/EC

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

**12.2 Persistence and degradability:**

Biodegradability: not applicable

**12.3 Bioaccumulative potential:**

CaTs®, calcium thiosulphate solutions

**Log Kow**

<table>
<thead>
<tr>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not applicable (mixture)</td>
</tr>
</tbody>
</table>

**Conclusion**

Not bioaccumulative

**12.4 Mobility in soil:**

No (test)data on mobility of the components available

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

The criteria of PBT and vPvB as listed in Annex XIII of Regulation (EC) No 1907/2006 do not apply to inorganic substances.

**12.6 Other adverse effects:**

CaTs®, calcium thiosulphate solutions

**Global warming potential (GWP)**

None of the known components is included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

**Ozone-depleting potential (ODP)**

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

**SECTION 13: Disposal considerations**

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

**13.1 Waste treatment methods:**

**13.1.1 Provisions relating to waste**


06 10 99 (wastes not otherwise specified). Can be considered as non hazardous waste according to Directive 2008/98/EC.

**13.1.2 Disposal methods**

Remove waste in accordance with local and/or national regulations. Treat using the best available techniques before discharge into drains or the aquatic environment.

**13.1.3 Packaging/Container**

No data available.

**SECTION 14: Transport information**

**Road (ADR)**

14.1 UN number:

Transport: Not subject

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Hazard identification number
### CaTs®, calcium thiosulphate solutions

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.4 Packing group:</td>
<td>Packs:</td>
</tr>
<tr>
<td></td>
<td>Labels:</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td>Environmentally hazardous substance mark: no</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td>Special provisions:</td>
</tr>
<tr>
<td></td>
<td>Limited quantities:</td>
</tr>
</tbody>
</table>

### Rail (RID)

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number:</td>
<td>Not subject</td>
</tr>
<tr>
<td>14.2 UN proper shipping name:</td>
<td></td>
</tr>
<tr>
<td>14.3 Transport hazard class(es):</td>
<td>Class:</td>
</tr>
<tr>
<td></td>
<td>Classification code:</td>
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<tr>
<td>14.4 Packing group:</td>
<td>Packs:</td>
</tr>
<tr>
<td></td>
<td>Labels:</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td>Environmentally hazardous substance mark: no</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td>Special provisions:</td>
</tr>
<tr>
<td></td>
<td>Limited quantities:</td>
</tr>
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</table>

### Inland waterways (ADN)

<table>
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<th>Details</th>
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<tbody>
<tr>
<td>14.1 UN number:</td>
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<tr>
<td>14.2 UN proper shipping name:</td>
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<tr>
<td>14.3 Transport hazard class(es):</td>
<td>Class:</td>
</tr>
<tr>
<td></td>
<td>Classification code:</td>
</tr>
<tr>
<td>14.4 Packing group:</td>
<td>Packs:</td>
</tr>
<tr>
<td></td>
<td>Labels:</td>
</tr>
<tr>
<td>14.5 Environmental hazards:</td>
<td>Environmentally hazardous substance mark: no</td>
</tr>
<tr>
<td>14.6 Special precautions for user:</td>
<td>Special provisions:</td>
</tr>
<tr>
<td></td>
<td>Limited quantities:</td>
</tr>
</tbody>
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### Sea (IMDG/IMSBC)

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<tbody>
<tr>
<td>14.1 UN number:</td>
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<tr>
<td>14.2 UN proper shipping name:</td>
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<tr>
<td>14.3 Transport hazard class(es):</td>
<td>Class:</td>
</tr>
<tr>
<td>14.4 Packing group:</td>
<td>Packs:</td>
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<td>14.5 Environmental hazards:</td>
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<td>Environmentally hazardous substance mark: no</td>
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<tr>
<td>14.6 Special precautions for user:</td>
<td>Special provisions:</td>
</tr>
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<td></td>
<td>Limited quantities:</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</td>
<td>Annex II of MARPOL 73/78</td>
</tr>
</tbody>
</table>

### Air (ICAO-TI/IATA-DGR)
CaTs®, calcium thiosulphate solutions

14.1 UN number:
- Transport: Not subject

14.2 UN proper shipping name:
- Not subject

14.3 Transport hazard class(es):
- Class

14.4 Packing group:
- Packing group
- Labels

14.5 Environmental hazards:
- Environmentally hazardous substance mark: No

14.6 Special precautions for user:
- Special provisions
- Passenger and cargo transport: limited quantities: maximum net quantity per packaging

SECTION 15: Regulatory information

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

**European legislation:**
- Maximum concentration in drinking water: 250 mg/l (sulfate) (Directive 98/83/EC)
- REACH Annex XVII - Restriction

**Reference legislation**
- See column 1: 3.
- Volatile organic compounds (VOC)
- Not applicable

**National legislation The Netherlands**
- CaTs®, calcium thiosulphate solutions
  - Waste identification (the Netherlands): LWCA (the Netherlands): KGA category 01
  - Waterbezwaarlijkheid: 11

**National legislation Germany**
- CaTs®, calcium thiosulphate solutions
  - WGK: 1; Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
  - TA-Luft: TA-Luft Klasse 5.2.1

**National legislation France**
- CaTs®, calcium thiosulphate solutions
  - No data available

**National legislation Belgium**
- CaTs®, calcium thiosulphate solutions
  - No data available

15.2 Chemical safety assessment:
- A chemical safety assessment has been performed.

SECTION 16: Other information

Information based on classification according to CLP

- (*) = INTERNAL CLASSIFICATION BY BIG
- PBT-substances = persistent, bioaccumulative and toxic substances
- DSD = Dangerous Substance Directive
- DPD = Dangerous Preparation Directive
- CLP (EU-GHS) = Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the
CaTs®, calcium thiosulphate solutions

The information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.