Cool transport container for frozen specimens

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

1.1. Product identifier
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Cool transport container for frozen specimens

1.3. Details of the supplier of the safety data sheet
Company name: SARSTEDT AG & Co.
Street: Sarstedtstraße 1
Place: D-51588 Nümbrecht
Post-office box: 1220
D-51582 Nümbrecht
Telephone: +49 (0)2293 / 305 - 0
Telefax: +49 (0)2293 / 305 - 2470
E-mail: info@sarstedt.com
Contact person: Dr. Dagmar Flach
Jochen Hoffmann
Telephone: +49 (0)2293 / 305 - 4500
E-mail: sicherheitsdatenblatt@sarstedt.com
Internet: www.sarstedt.com
Responsible Department: R & D Center

1.4. Emergency telephone number:
Poison Center in Bonn (Germany): +49 (0)228 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]
This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements
Additional advice on labelling
none

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical characterization
The cool transport container is filled with < 200 ml of a liquid coolant. If used properly there is no contact with the coolant. Thus the information below refers to defective units.
Hazardous components

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Classification according to Directive 67/548/EEC</td>
<td></td>
</tr>
<tr>
<td>Index No</td>
<td>Classification according to Regulation (EC) No. 1272/2008 [CLP]</td>
<td></td>
</tr>
<tr>
<td>REACH No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>207-838-8</td>
<td>sodium carbonate</td>
<td>5 - &lt; 10 %</td>
</tr>
<tr>
<td>497-19-8</td>
<td>Xi - Irritant  R36</td>
<td></td>
</tr>
<tr>
<td>011-005-00-2</td>
<td>Eye Irrit. 2; H319</td>
<td></td>
</tr>
</tbody>
</table>

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

   After inhalation
   Provide fresh air.

   After contact with skin
   Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

   After contact with eyes
   Rinse immediately carefully and thoroughly with eye-bath or water.

   After ingestion
   Rinse mouth immediately and drink plenty of water.

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

   No information available.

4.3. Indication of any immediate medical attention and special treatment needed

   Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

   Suitable extinguishing media
   Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

   Non-flammable.

5.3. Advice for firefighters

   In case of fire: Wear self-contained breathing apparatus.

Additional information

   Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

   Use personal protection equipment.

6.2. Environmental precautions

   Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

   Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
   Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

   Safe handling: see section 7
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
No special measures are necessary.

Advice on protection against fire and explosion
No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed.

Advice on storage compatibility
No special measures are necessary.

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures
Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection
Wear eye/face protection.

Hand protection
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection
Wear suitable protective clothing.

Respiratory protection
In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: colourless
Odour: characteristic

Test method
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pH-Value: not determined

Changes in the physical state

Melting point: not determined
Initial boiling point and boiling range: not determined
Flash point: not determined

Flammability

Solid: not applicable
Gas: not applicable

Lower explosion limits: not determined
Upper explosion limits: not determined

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined
Density (at 20 °C): 1.06 g/cm³
Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determined
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
No information available.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
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Acute toxicity

Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure routes</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>oral</td>
<td></td>
<td>LD50</td>
<td>Rat</td>
<td>UCLID</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4090 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

This mixture is classified as not hazardous according to 1999/45/EC.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity: The classification criteria for this hazard class are not met by definition.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Method</th>
<th>Dose</th>
<th>[h] [d]</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>497-19-8</td>
<td>sodium carbonate</td>
<td>LC50</td>
<td>300 mg/l</td>
<td>96 h</td>
<td>Lepomis macrochirus</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50</td>
<td>265 mg/l</td>
<td>48 h</td>
<td>Daphnia magna</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

Further information

No special environmental measures are necessary.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
SECTION 14: Transport information

Land transport (ADR/RID)
14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Inland waterways transport (ADN)
14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Marine transport (IMDG)
14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

Air transport (ICAO)
14.2. UN proper shipping name: Not a hazardous material with respect to transportation regulations.

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for use
No information available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
not applicable

SECTION 15: Regulatory information

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

National regulatory information
Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes
General revision.

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)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Relevant R-phrases (Number and full text)
36 Irritating to eyes.

Relevant H- and EUH-phrases (Number and full text)
H319 Causes serious eye irritation.

Further Information
The above information describes exclusively the safety requirements of the product and is based on...
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our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)