### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

<table>
<thead>
<tr>
<th>Product code</th>
<th>16500100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>AGAROSE, ULTRAPURE</td>
</tr>
</tbody>
</table>

**Company/Undertaking Identification**

INVITROGEN CORPORATION  
5791 VAN ALLEN WAY  
PO BOX 6482  
CARLSBAD, CA 92008  
760-603-7200

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
800-263-6236

GIBCO PRODUCTS  
INVITROGEN CORPORATION  
3175 STALEY ROAD P.O. BOX 68  
GRAND ISLAND, NY 14072  
716-774-6700

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Hazardous/Non-hazardous Components**
The product contains no substances which at their given concentration, are considered to be hazardous to health

### 3. HAZARDS IDENTIFICATION

**Emergency Overview**
The product contains no substances which at their given concentration, are considered to be hazardous to health

**Form**  
Solid

**Principle Routes of Exposure/ Potential Health effects**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>No information available</td>
</tr>
<tr>
<td>Skin</td>
<td>No information available</td>
</tr>
</tbody>
</table>
3. HAZARDS IDENTIFICATION

Inhalation
No information available

Ingestion
No information available

Specific effects
- Carcinogenic effects
  No information available
- Mutagenic effects
  No information available
- Reproductive toxicity
  No information available
- Sensitization
  No information available

Target Organ Effects
No information available

HMIS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Skin contact
Wash off immediately with plenty of water

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion
Never give anything by mouth to an unconscious person

Inhalation
Move to fresh air

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Dry chemical

Special protective equipment for firefighters
Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment

Methods for cleaning up
Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling
No special handling advice required

Storage
Keep in properly labelled containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits
Engineering measures
Ensure adequate ventilation, especially in confined areas

Personal protective equipment

- Respiratory protection
  In case of insufficient ventilation wear suitable respiratory equipment
- Hand protection
  Protective gloves
- Eye protection
  Safety glasses with side-shields
- Skin and body protection
  Lightweight protective clothing.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice
Environmental exposure controls
Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information
Form
Solid

Important Health Safety and Environmental Information

<table>
<thead>
<tr>
<th>Property</th>
<th>°C</th>
<th>°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point/range</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable.

Materials to avoid
No information available

Hazardous decomposition products
No information available

Polymerization
Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Principle Routes of Exposure/
Potential Health effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effects</th>
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</thead>
<tbody>
<tr>
<td>Eyes</td>
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Specific effects

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<tr>
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<td>Sensitization</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Target Organ Effects
No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
No information available.

Mobility
No information available.

Biodegradation
Inherently biodegradable.

Bioaccumulation
Does not bioaccumulate.

13. DISPOSAL CONSIDERATIONS
13. DISPOSAL CONSIDERATIONS
Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

IATA

| Proper shipping name                  | Not classified as dangerous in the meaning of transport regulations |
| Hazard Class                          | No information available                                          |
| Subsidiary Class                      | No information available                                          |
| Packing group                         | No information available                                          |
| UN-No                                 | No information available                                          |

15. REGULATORY INFORMATION

International Inventories

U.S. Federal Regulations

SARA 313
This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contains HAPs.

U.S. State Regulations

California Proposition 65
This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:
Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may be present unknown hazards and should be used with caution. Since Invitrogen Corporation cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

End of Safety Data Sheet