

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

**Product code** D22910  
**Product name** dextran, Alexa Fluor® 488; 10,000 MW, anionic, fixable

**Company/Undertaking Identification**

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

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
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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**

|             |                          |
|-------------|--------------------------|
| <b>Eyes</b> | No information available |
| <b>Skin</b> | No information available |

### 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

|              |   |
|--------------|---|
| Health       | 0 |
| Flammability | 0 |
| Reactivity   | 0 |

### 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  
Environmental exposure  
controls

Handle in accordance with good industrial hygiene and safety practice  
Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Form Solid

### Important Health Safety and Environmental Information

|                          |                          |                      |
|--------------------------|--------------------------|----------------------|
| Boiling point/range      | °C No data available     | °F No data available |
| Melting point/range      | °C No data available     | °F No data available |
| Flash point              | °C No data available     | °F No data available |
| Autoignition temperature | °C No data available     | °F No data available |
| Oxidizing properties     | No information available |                      |
| Water solubility         | No data available        |                      |

## 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

|            |                          |
|------------|--------------------------|
| Eyes       | No information available |
| Skin       | No information available |
| 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 |
|----------------------|--------------------------|

## 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

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

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**End of Safety Data Sheet**