# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company/undertaking

**Identification of the substance/preparation**

| | |
|---|---|
| **Product code** | S37398 |
| **Product name** | DVB/Sulfate, 4% w/v 10 µm |

**Company/Undertaking Identification**

Life Technologies
5791 VAN ALLEN WAY
PO BOX 6482
CARLSBAD, CA 92008
+1 760 603 7200

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

**24 hour Emergency Response (Transport):** 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

## 2. Hazards identification

**GHS - Classification**

**Signal Word**
**not hazardous**

**Health Hazard**
not hazardous

**Physical Hazards**
not hazardous

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

| | |
|---|---|
| **Eyes** | May cause eye irritation with susceptible persons. |
| **Skin** | May cause skin irritation in susceptible persons. |
| **Inhalation** | May be harmful by inhalation. |
| **Ingestion** | May be harmful if swallowed. |

**Specific effects**

| | |
|---|---|
| **Carcinogenic effects** | none |
| **Mutagenic effects** | none |
| **Reproductive toxicity** | none |
| **Sensitization** | none |
| **Target Organ Effects** | No known effects under normal use conditions. |

**HMIS**

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

## 3. Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

## 4. First aid measures

| | |
|---|---|
| **Skin contact** | Rinse with plenty of water. If symptoms arise, call a physician. |
| **Eye contact** | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. |
| **Ingestion** | Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice. |
| **Inhalation** | Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. |
| **Notes to physician** | Treat symptomatically. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Water spray. Carbon dioxide (CO2). Foam. 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. |

**Environmental precautions**

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional information.

## 7. Handling and storage

| | |
|---|---|
| **Handling** | Always wear reccommended Personal Protective Equipment. No special handling advice required. |
| **Storage** | Keep in a dry, cool and well-ventilated place. |

## 8. Exposure controls/personal protection

**Exposure limits**

We are not aware of any national exposure limit.

**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** | Impervious 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** | suspension | |
| **Appearance** | No information available | |
| **Odor** | No information available | |
| **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** | soluble | |

## 10. Stability and reactivity

| | |
|---|---|
| **Stability** | Stable under normal conditions. |
| **Materials to avoid** | No dangerous reaction known under conditions of normal use. |
| **Hazardous decomposition products** | None under normal use |
| **polymerization** | Hazardous polymerisation does not occur. |

## 11. Toxicological information

### Acute toxicity

not hazardous

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

| | |
|---|---|
| **Eyes** | May cause eye irritation with susceptible persons. |
| **Skin** | May cause skin irritation in susceptible persons. |
| **Inhalation** | May be harmful by inhalation. |
| **Ingestion** | May be harmful if swallowed. |
| **Carcinogenic effects** | none |
| **Mutagenic effects** | none |
| **Reproductive toxicity** | none |
| **Sensitization** | none |
| **Target Organ Effects** | No known effects under normal use conditions. |

## 12. Ecological information

| | |
|---|---|
| **Ecotoxicity effects** | No information available. |
| **Mobility** | No information available. |
| **Biodegradation** | Inherently biodegradable |
| **Bioaccumulation** | Does not bioaccumulate. |

## 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** | none |
| **Subsidiary Class** | none |
| **Packing group** | none |
| **UN-No** | None |

## 15. Regulatory information

**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

**Reason for Revision** (M)SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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 present unkown hazards and should be used with caution. Since the Company 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 WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

**End of Safety Data Sheet**