

## Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 11/05/2009

Reviewed on 11/05/2009

### 1 Identification of substance

· **Product details**

- **Trade name:** Selenite Cystine Broth (dehydrated)
  - **Article number:** 356-4074
  - **Application of the substance / the preparation** Reagent for in vitro diagnostic use (culture medium).
- **Manufacturer/Supplier:**  
Bio-Rad  
3, Boulevard Raymond Poincaré  
F-92430 Marnes-la-Coquette  
Tel.: +33 (0)1 47 95 60 00  
Fax : +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com
- **Information department:** Customer support.
- **Emergency information:** See item 16

### 2 Composition/Data on components

· **Chemical characterization**

- **Description:** Preparation without a chemical hazard.

### 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**  
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
  - **NFPA ratings (scale 0 - 4)**  
Health = 0  
Fire = 0  
Reactivity = 0
  - **HMIS-ratings (scale 0 - 4)**  
Health = 0  
Fire = 0  
Reactivity = 0

### 4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Consult a doctor, if necessary.

### 5 Fire fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **Protective equipment:** No special measures required.

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### 6 Accidental release measures

- **Person-related safety precautions:** Wear disposable gloves.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.
- **Additional information:** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Information for safe handling:**
    - Prevent formation of dust.
    - Avoid all contact with reagents, even those considered to be non-hazardous.
    - Follow good laboratory practices.
  - **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**
    - The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**
    - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Not required.

### 9 Physical and chemical properties

#### · General Information

- |                 |                |
|-----------------|----------------|
| · <b>Form:</b>  | Powder         |
| · <b>Color:</b> | Beige          |
| · <b>Odor:</b>  | Characteristic |

#### · Change in condition

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined.

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· <b>Water:</b>	Soluble.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %
· <b>Solids content:</b>	100.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** No irritating effect.
  - **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
 The product is not subject to classification according to internally approved calculation methods for preparations:  
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information

- **General notes:**  
 Water hazard class 1 (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
  - **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- **DOT regulations:**
  - **Hazard class:** -
- **Land transport ADR/RID (cross-border):**
  - **ADR/RID class:** -
- **Maritime transport IMDG:**
  - **IMDG Class:** -

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- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

**15 Regulations**

- **Sara**
  - **Section 355 (extremely hazardous substances):**  
None of the ingredient is listed.
  - **Section 313 (Specific toxic chemical listings):**  
None of the ingredients is listed.
  - **Proposition 65**
    - **Chemicals known to cause cancer:**  
None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients is listed.
    - **Chemicals known to cause developmental toxicity:**  
None of the ingredients is listed.
  - **Carcinogeny categories**
    - **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
    - **IARC (International Agency for Research on Cancer)**  
None of the ingredients is listed.
    - **NTP (National Toxicology Program)**  
None of the ingredients is listed.
    - **TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients is listed.
    - **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients is listed.
    - **OSHA-Ca (Occupational Safety & Health Administration)**  
None of the ingredients is listed.
- **Product related hazard informations:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations according to directives on hazardous materials.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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