

# Material Safety Data Sheet

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

### Identification of the substance/preparation

**Product code** B34302, B34304  
**Product name** Cell Counting Kit-8 (CCK-8)

### Company/Undertaking Identification

Biotoool LLC  
2626 South Loop  
West, Suite 175,  
Houston, TX 77054  
(713) 732-2181

Biotoool LLC  
Karl-Schmid-Str. 14,  
81829 Munich, Germany  
+49-89-46148500

**24 hour Emergency Response:** (713) 732-2181  
+49-89-46148500

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

## 2. Hazards identification

### Principle Routes of Exposure/

#### Potential Health effects

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

#### Specific effects

Carcinogenic effects No information available  
Mutagenic effects No information available  
Reproductive toxicity No information available  
Sensitization May cause sensitization of susceptible persons.

#### Target Organ Effects

No information available

#### HMIS

|              |                          |
|--------------|--------------------------|
| Health       | No Information Available |
| Flammability | No Information Available |
| Reactivity   | No Information Available |



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### 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

|                           |  |
|---------------------------|--|
| <b>Skin contact</b>       | Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required. |
| <b>Eye contact</b>        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.                                |
| <b>Ingestion</b>          | Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.     |
| <b>Inhalation</b>         | Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.   |
| <b>Notes to physician</b> | Treat symptomatically.   |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                      | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. |
| <b>Special protective equipment<br/>For firefighters</b> | Wear self-contained breathing apparatus and protective suit.        |

### 6. Accidental release measures

|                                |   |
|--------------------------------|---|
| <b>Personal precautions</b>    | Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. |
| <b>Methods for cleaning up</b> | Soak up with inert absorbent material.  |

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for additional information.

### 7. Handling and storage

|                 |   |
|-----------------|---|
| <b>Handling</b> | Always wear recommended Personal Protective Equipment. No special handling advice required. |
| <b>Storage</b>  | Keep in a dry, cool and well-ventilated place.  |



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## 8. Exposure controls/personal protection

|  |   |
|--|---|
| <b>Exposure limits</b>                 | We are not aware of any national exposure limit.  |
| <b>Engineering measures</b>            | Ensure adequate ventilation, especially in confined areas.  |
| <b>Personal protective equipment</b>   | Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used. |
| <b>Respiratory protection</b>          | In case of insufficient ventilation wear suitable respiratory equipment.  |
| <b>Hand protection</b>                 | Impervious gloves.  |
| <b>Eye protection</b>                  | Safety glasses with side-shields.   |
| <b>Skin and body protection.</b>       | Lightweight protective clothing.  |
| <b>Hygiene measures</b>                | Handle in accordance with good industrial hygiene and safety practice.  |
| <b>Environmental exposure controls</b> | Prevent product from entering drains. Do not allow material to contaminate ground water system.   |

## 9. Physical and chemical properties

### General Information

|                                 |                           |                      |
|---------------------------------|---------------------------|----------------------|
| <b>Form</b>                     | liquid                    |                      |
| <b>Appearance</b>               | No information available  |                      |
| <b>Odor</b>                     | No information available  |                      |
| <b>Boiling Point/Range</b>      | °C no data available      | °F no data available |
| <b>Melting point/range</b>      | °C no data available      | °F no data available |
| <b>Flash point</b>              | °C no data available      | °F no data available |
| <b>Autoignition temperature</b> | °C no data available      | °F no data available |
| <b>Oxidizing properties</b>     | No information available. |                      |
| <b>Water solubility</b>         | Soluble                   |                      |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Stability</b>                        | Stable under normal conditions.                             |
| <b>Materials to avoid</b>               | No dangerous reaction known under conditions of normal use. |
| <b>Hazardous decomposition products</b> | No information available.                                   |
| <b>polymerization</b>                   | Hazardous polymerisation does not occur.                    |



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## 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 and/or dermatitis.       |
| Inhalation | May be harmful by inhalation.                      |
| Ingestion  | May be harmful if swallowed.                       |

### 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 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  |



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## 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 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

**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 unknown 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 WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**



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