SAFETY DATA SHEET

Section 1 – Identification

Product Name TetraZ Cell Counting Kit
Catalog No. 424501
Recommended Use Research use only

Company BioLegend
Street Address 9727 Pacific Heights Blvd
City, State, Zip, Country San Diego, CA 92121 US
Phone 858-455-9588
Emergency Number In case of a chemical emergency, spill, fire, or exposure, +1-858-455-9588 (7:00AM – 5:00PM PDT, M-F)

Principal demands according to Art. 32 REACH

Registration number(s) --
Authorization none
Restrictions none

Section 2 – Hazards Identification

2.1 Hazard Classification
Not classified

2.2 GHS Label elements, including precautionary statements
Pictogram None
Signal Word None
Hazard Statement None
Precautionary Statement None

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>EINECS</th>
<th>EU Index</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST-8</td>
<td>193149-74-5</td>
<td>--</td>
<td>--</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Methoxy PMS</td>
<td>65162-13-2</td>
<td>--</td>
<td>--</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>
Section 4 – First Aid Measures

4.1 Description of first aid measures

General information: May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

After inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

After skin contact: Immediately remove contaminated clothes, and wash with soap and copious amounts of water. Discard contaminated clothing and shoes.

After eye contact: In case of contact with eyes, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers.

After swallowing: If ingested, wash out mouth with water. Call a physician.

Symptoms: Contact may cause skin irritation. Contact may cause eye irritation.

Section 5 – Fire-Fighting Measures

5.1 Suitable extinguishing agents: Carbon dioxide, dry chemical powder, foam, water.

5.2 Special hazards caused by the material, its products of combustion or resulting gases: Fire may produce irritating or poisonous gases.

5.3 Special protective equipment and precautions for fire-fighters: Wear protective clothing, respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Hazardous combustion materials: No data available.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures: Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Evacuate area.

6.2 Environment precautions: Prevent entry into waterways, drains, soil, and sewers.

6.3 Measures for cleaning/collecting: Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. Avoid raising dust.

6.4 Additional information:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
Section 7 – Handling and Storage

7.1 Information for safe handling: Wear appropriate NIOSH / MSHA-approved respirator, chemical-safety goggles, chemical-resistant gloves, other protective clothing. Mechanical exhaust required. Use only in a chemical fume hood. Safety shower and eye bath. Face shield. Do not breathe dust. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Irritant. Avoid all contact. Avoid prolonged or repeat.

7.2 Conditions for safe storage, including any incompatibilities: Keep tightly closed. Protect from light. Store in a cool (0-5°C.) dark and dry place.

Section 8 – Exposure controls/personal protection

8.1 Exposure Limits
No data

8.2 Exposure Controls

Engineering Controls
Use only with chemical fume hood.

Personal protective equipment

General protective and hygienic measures
Keep away from foodstuffs, beverages, and feed. Wash hands, face, and exposed forearms/areas after handling. Wash contaminated clothing before reusing. Ensure eyewash stations and safety showers are in close proximity to workstation.

Breathing equipment: NIOSH / MSHA-approved respirator.

Protection of hands: Chemical resistant gloves.
Eye protection: Safety goggles.
Body protection: Protective work clothing (lab coat).

Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Red liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No Data Available</td>
</tr>
<tr>
<td>pH</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No Data Available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No Data Available</td>
</tr>
</tbody>
</table>
Auto-ignition temperature | No Data Available
Decomposition temperature | No Data Available
Viscosity | No Data Available
Explosive Properties | No Data Available
Oxidizing Properties | No Data Available

Section 10 – Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under normal and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Heat, sunlight, high temperature.

10.5 Incompatible materials
Strong oxidizing agents, strong acids and strong bases.

10.6 Hazardous decomposition products
When decomposed, it may emit toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides.

10.5 Additional information
Hazardous Polymerization: Will Not Occur

Section 11 – Toxicological Information

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Routes of Entry</th>
<th>Ingestion, inhalation, skin and eye contact.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Contact may cause skin irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Contact may cause eye irritation</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Section 12 – Ecological Information

| Environmental Toxicity                                | No Data Available                           |
| Aquatic Toxicity                                      | No Data Available                           |
Persistence and degradability | No Data Available
--- | ---
Bioaccumulative potential | No Data Available
Mobility in soil | Water soluble
Results of PBT and vPvT assessment | No data available

**Section 13 – Disposal Considerations**

Minimize waste as much as possible. Disposal must be made according to state and federal regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Section 14 – Transport Information**

**DOT (Ground)**
Not regulated

**IMDG**
Not regulated

**IATA**
Not regulated

**ADR**
Not regulated

**ADN**
Not regulated

**RID**
Not regulated

**Section 15 – Regulatory Information**

15.1 **Product related hazard information:** The product has been classified and marked in accordance with regulations on hazardous materials.

**Section 16 – Other information**

Revision Date: December 30th, 2014

To the best of our knowledge, the information contained herein is accurate. However, neither BioLegend, nor any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Department issuing MSDS: Safety & Environment Department
Contact: Technical Service Representative