



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY INFORMATION

- ◆ **Product name:** OZBlue Cell Viability Kit
- ◆ **Catalog number:** BL00025 or BL00100
- ◆ **Chemical name or synonyms:** Resazurin
- ◆ **Contact:**

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SECTION 2 – HAZARDS IDENTIFICATION

Hazards identification

3.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi Irritant R36/37/38

For the full text of the R-phrases mentioned in this Section, see Section 16.

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary statement(s)

P261

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305 + P351 + P338 IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s) Xi Irritant



R-phrases(s)

R36/37/38

Irritating to eyes, respiratory system and skin.

S-phrases(s)

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Other hazards - none

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

Description: Solution of synthetic molecule in DPBS.

<u>Ingredient name</u>	<u>CAS number</u>	<u>%</u>	<u>EINECS</u>	<u>Classification</u>
DPBS		99 %		None
7-Sodiooxy-3H-phenoxazin-3-one 10-oxide	62758-13-8	1 %	263-718-5	SkinIrrit.2;Eye Irrit. 2A; STOT SE 3; H315, H319, H335

Ingredients are not hazardous or their concentrations do not exceed the limit specified according to 29 CFR 1910.1200 Hazard Communication Standard (USA) and Directive 1999/45/EC-2001/59/EC (EU).

SECTION 4 – FIRST AID MEASURES

◆ Effects and symptoms:

- Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
- Ingestion May be harmful if swallowed.
- Skin May be harmful if absorbed through skin. Causes skin irritation.
- Eyes Causes serious eye irritation.
- Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

◆ First-Aid measures:

- *Inhalation* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- *Ingestion* Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- *Skin contact* Wash off with soap and plenty of water. Consult a physician.
- *Eye contact* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- *Notes to physician* Not available.
- *Protection of first-aiders* Not available.

SECTION 5 – FIRE FIGHTING MEASURES

- ◆ **Flammability of the product:** Not available.
- ◆ **Flash Point:** Not available.
- ◆ **Fire hazards in presence of various substances:** Not available.
- ◆ **Fire fighting media and instructions:** Use an extinguish agent suitable for surrounding fires.
- ◆ **Protective clothing (fire):** Be sure to use an approved/certified respirator or equivalent.
- ◆ **Hazardous thermal decomposition products:** Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- ◆ **Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust..
- ◆ **Environmental precautions and clean-up methods:** Do not let product enter drains. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- ◆ **Small spill and leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- ◆ **Additional information:** No dangerous substances are released.

SECTION 7 – HANDLING AND STORAGE

- ◆ **Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection..
- ◆ **Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at +4°C. **Avoid repeated freeze / thaw cycles.** Avoid direct light exposure.
- ◆ **Intended use:** Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific application.
- ◆ **Packaging materials**
- ◆ **Suitable:** Use original container.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

- ◆ **Engineering Controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
- ◆ **Personal protection**
 - **Eyes:** Safety glasses.
 - **Body:** Lab coat and gloves.
 - **Respiratory:** Respirator is not needed under normal and intended conditions of use, if exposures are kept below established limits.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- ◆ **Appearance**
 - **Physical State:** Solution.
 - **Color:** Dark Blue.
 - **Odor:** Not available.
 - **Taste:** Not available.
- ◆ **Molecular weight:** Not available.
- ◆ **pH:** Not available
- ◆ **Boiling point:** 100°C (212 F).
- ◆ **Decomposition temperature:** 100°C (212 F)
- ◆ **Melting point:** Not available.
- ◆ **Flash point:** Not available.
- ◆ **Solubility:** fully soluble in water.

SECTION 10 – STABILITY AND REACTIVITY

- ◆ **Stability and reactivity:** The product is stable at a pH between 4 and 11
- ◆ **Conditions to avoid:** pH < 4 and pH > 11, using temperatures > + 50°C
- ◆ **Materials to avoid:** Strong acids, strong bases and strong oxidizing agents.
- ◆ **Hazardous polymerization:** Will not occur.
- ◆ **Hazardous decomposition products:** Other decomposition products - no data available

SECTION 11 – TOXICOLOGICAL INFORMATION

- ◆ **Toxicity on animals:**
 - **LD50:** Not available.
 - **LC50:** Not available.
- ◆ **Chronic effects on humans:** Carcinogenic effects: classified none. by NIOSH. By OSHA.

- ◆ **Other toxic effects on humans:** Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ◆ **Reproductive toxicity** no data available
- ◆ **Specific target organ toxicity - single exposure Inhalation** - May cause respiratory irritation.
- ◆ **Specific target organ toxicity - repeated exposure** no data available
- ◆ **Aspiration hazard** no data available
- ◆ **Potential health effects** Inhalation May be harmful if inhaled.
 - Causes respiratory tract irritation.
 - Ingestion May be harmful if swallowed.
 - Skin May be harmful if absorbed through skin. Causes skin irritation.
 - Eyes Causes serious eye irritation.
 - Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
 - Additional Information RTECS: Not available

SECTION 12 – ECOLOGICAL INFORMATION

- ◆ No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

- ◆ **Waste stream:** Not available.
- ◆ **Waste disposal method:** Contact a licensed professional waste disposal service to dispose of this material. Dispose in accordance with governmental environmental regulations. Observe all federal, state, and local environmental regulations.
- ◆ **European waste catalogue (EWC):** Not available.
- ◆ **Hazardous waste:** Will not occur.

SECTION 14 – TRANSPORT INFORMATION

- ◆ This substance is considered to be non-hazardous for transport and air-transport.

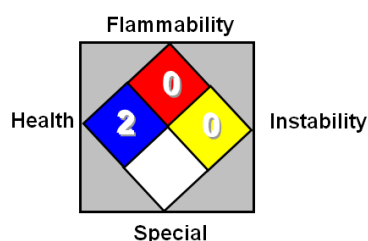
SECTION 15 – REGULATORY INFORMATION

- ◆ This product is not classified according to the EU regulations.

SECTION 16 – OTHER INFORMATION

- ◆ **Hazardous Material Information System (U.S.A.):**

Health	2
Fire hazard	0
Reactivity	0



- ◆ **Other Comments:**

Full text of H-Statements.

Eye Irrit. Eye irritation

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

Full text of R-phrases referred to under sections 2 and 3

R36/37/38 Irritating to eyes, respiratory system and skin.

◆ **Revisions:**

Issue Date: 22-May-2014

Last Revision Date: 26-Aug-2016

Revision note: New format. updated Section 2,8,15,16.

To the best of our knowledge, the information contain herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability 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.

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