

## 1. Identification

|   |  |  |
|---|--|--|
| <b>Product identifier</b>                                     | <b>Enzyme Conjugate</b>  |  |
| <b>Other means of identification</b>                          |  |  |
| <b>Product code</b>   | 845  |  |
| <b>Recommended use</b>  | Research use only.   |  |
| <b>Recommended restrictions</b>                               | Use in accordance with supplier's recommendations.   |  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |  |  |
| <b>Corporate Headquarters</b>                                 | BioMedica Diagnostics Inc.<br>94 Wentworth Road, PO Box 1030<br>Windsor, Nova Scotia CANADA B0N 2T0  |  |
| <b>7 cbHfUWidYfgcb</b>  | Corporate Phone: 1-902-798-5105<br>Corporate Fax: 1-902-798-1025<br>Email: info@biomedicadiagnostics.com      Website: www.biomedicadiagnostics.com  |  |
| <b>9a Yf[ YbWriHY Yd\ cbY<br/>Bi a VYfg</b>                   | US, Canada, Puerto Rico & Virgin Islands 1-800-255-3924<br>International +1-813-248-0585      Australia 1-300-954-583<br>Brazil 0-800-591-6042      China 400-120-0751<br>India 000-800-100-4086      Mexico 01-800-099-0731 |  |
| <b>7 cbHfUWibi a VYf</b>                                      | MIS9591327   |  |

## 2. Hazard(s) identification

|                             |                     |            |
|-----------------------------|---------------------|------------|
| <b>Physical hazards</b>     | Not classified.     |            |
| <b>Health hazards</b>       | Sensitization, skin | Category 1 |
| <b>OSHA defined hazards</b> | Not classified.     |            |
| <b>Label elements</b>       |                     |            |



|  |   |  |
|--|---|--|
| <b>Signal word</b>                               | Warning   |  |
| <b>Hazard statement</b>                          | May cause an allergic skin reaction.  |  |
| <b>Precautionary statement</b>                   |   |  |
| <b>Prevention</b>                                | Avoid breathing mist or vapor. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.                                   |  |
| <b>Response</b>                                  | If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |  |
| <b>Storage</b>                                   | Store away from incompatible materials.   |  |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.   |  |

## 3. Composition/information on ingredients

### Mixtures

| Chemical name               | CAS number | %           |
|-----------------------------|------------|-------------|
| 2-Methyl-4-isothiazol-3-one | 2682-20-4  | 0.01 - 0.03 |

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

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|---|--|
| <b>Skin contact</b>   | For skin contact flush with large amounts of water while removing contaminated clothing. If skin rash or an allergic skin reaction develops, get medical attention.                              |
| <b>Eye contact</b>  | In case of contact, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists. |
| <b>Ingestion</b>  | If material is ingested, immediately contact a poison control center.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Headaches, nausea and vomiting. Dermatitis.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.   |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire. |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | None known.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.               |
| <b>Fire fighting equipment/instructions</b>                          | Use standard firefighting procedures and consider the hazards of other involved materials.                  |
| <b>General fire hazards</b>  | The product is not flammable.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.  |
| <b>Methods and materials for containment and cleaning up</b>               | Absorb spill with vermiculite or other inert material. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13. |
| <b>Environmental precautions</b>   | Do not allow to enter drains, sewers or watercourses.   |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin and eyes. Persons susceptible for allergic reactions should not handle this product. Wash thoroughly after handling. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a closed container away from incompatible materials.   |

## 8. Exposure controls/personal protection

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|--|--|
| <b>Occupational exposure limits</b>  | No exposure limits noted for ingredient(s).  |
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Exposure guidelines</b>   | Follow standard monitoring procedures.   |
| <b>Appropriate engineering controls</b>                                      | Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.             |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear approved safety glasses or goggles.   |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Wear appropriate chemical resistant gloves.  |
| <b>Other</b>   | Wear lab coat or other protective garments. Remove contaminated clothing promptly.                     |
| <b>Respiratory protection</b>  | In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.  |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice.                                 |

## 9. Physical and chemical properties

|   |                            |
|---|----------------------------|
| <b>Appearance</b>                                   | Clear, pale yellow liquid. |
| <b>Physical state</b>                               | Liquid.                    |
| <b>Form</b>   | Liquid.                    |
| <b>Color</b>  | Clear, pale yellow.        |
| <b>Odor</b>   | None.                      |
| <b>Odor threshold</b>                               | Not available.             |
| <b>pH</b>   | 6.5 - 7.5                  |
| <b>Melting point/freezing point</b>                 | Not available.             |
| <b>Initial boiling point and boiling range</b>      | 212 °F (100 °C)            |
| <b>Flash point</b>                                  | Not available.             |
| <b>Evaporation rate</b>                             | Not available.             |
| <b>Flammability (solid, gas)</b>                    | Not applicable.            |
| <b>Upper/lower flammability or explosive limits</b> |                            |
| <b>Flammability limit - lower (%)</b>               | Not available.             |
| <b>Flammability limit - upper (%)</b>               | Not available.             |
| <b>Vapor pressure</b>                               | Not available.             |
| <b>Vapor density</b>                                | Not available.             |
| <b>Relative density</b>                             | Not available.             |
| <b>Solubility(ies)</b>                              |                            |
| <b>Solubility (water)</b>                           | Completely soluble.        |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.             |
| <b>Auto-ignition temperature</b>                    | Not available.             |
| <b>Decomposition temperature</b>                    | Not available.             |
| <b>Viscosity</b>                                    | Not available.             |
| <b>Other information</b>                            |                            |
| <b>Explosive properties</b>                         | Not explosive.             |
| <b>Oxidizing properties</b>                         | Not oxidizing.             |

## 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non reactive under normal conditions of storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | Polymerization will not occur.   |
| <b>Conditions to avoid</b>                | Keep away from heat.   |
| <b>Incompatible materials</b>             | Strong oxidizing agents.   |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Nitrogen oxides.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Vapors may irritate throat and respiratory system and cause coughing.         |
| <b>Skin contact</b> | May cause skin irritation. May cause eczema-like skin disorders (dermatitis). |
| <b>Eye contact</b>  | May cause eye irritation.   |
| <b>Ingestion</b>    | May cause discomfort if swallowed.  |

|   |   |
|---|---|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Headaches, nausea and vomiting. Dermatitis. |
|---|---|

## Information on toxicological effects

|   |   |
|---|---|
| <b>Acute toxicity</b>   | May cause discomfort if swallowed.                      |
| <b>Skin corrosion/irritation</b>                                      | May cause skin irritation.                              |
| <b>Serious eye damage/eye irritation</b>                              | May cause eye irritation.                               |
| <b>Respiratory or skin sensitization</b>                              |   |
| <b>Respiratory sensitization</b>                                      | No data available.                                      |
| <b>Skin sensitization</b>   | May cause an allergic skin reaction.                    |
| <b>Germ cell mutagenicity</b>   | No data available.                                      |
| <b>Carcinogenicity</b>  | No data available.                                      |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |   |
| Not listed.   |   |
| <b>Reproductive toxicity</b>  | No data available.                                      |
| <b>Specific target organ toxicity - single exposure</b>               | No data available.                                      |
| <b>Specific target organ toxicity - repeated exposure</b>             | No data available.                                      |
| <b>Aspiration hazard</b>  | No data available.                                      |
| <b>Chronic effects</b>  | No data available.                                      |
| <b>Further information</b>  | No other specific acute or chronic health impact noted. |

## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> | No data is available on the degradability of this product.   |
| <b>Bioaccumulative potential</b>     | Not available.   |
| <b>Mobility in soil</b>              | Not available.   |
| <b>Mobility in general</b>           | No data available.   |
| <b>Other adverse effects</b>         | Not available.   |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Dispose waste and residues in accordance with applicable federal, state, and local regulations. Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/standard precautions. |
| <b>Hazardous waste code</b>                  | Not regulated.   |
| <b>Waste from residues / unused products</b> | Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).                               |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## 14. Transport information

|   |                                   |
|---|-----------------------------------|
| <b>DOT</b>  | Not regulated as dangerous goods. |
| <b>IATA</b>   | Not regulated as dangerous goods. |
| <b>IMDG</b>   | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.                   |

## 15. Regulatory information

|                               |  |
|-------------------------------|--|
| <b>US federal regulations</b> | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
|-------------------------------|--|

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

2-Methyl-4-isothiazol-3-one (CAS 2682-20-4)

1.0 % One-Time Export Notification only.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.**US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not listed.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

Not Listed.

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

Issue date 01-December-2017

Revision date 31-July-2017

Version # 02

NFPA ratings



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