SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Trade name or designation of the mixture Conjugate Diluent
Registration number -
Synonyms None.
Product code 602, 634, 635, 842, 873
Issue date 01-December-2017
Version number 02
Revision date 13-July-2017
Supersedes date 07-October-2016

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Assorted.
Uses advised against Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet

Corporate Headquarters BioMedica Diagnostics Inc.
94 Wentworth Road, PO Box 1030
Windsor, Nova Scotia CANADA B0N 2T0

Contact person Corporate Phone: 1-902-798-5105
Corporate Fax: 1-902-798-1025
Email: info@biomedicadiagnostics.com
Website: www.biomedicadiagnostics.com

1.4. Emergency telephone number
US, Canada, Puerto Rico & Virgin Islands 1-800-255-3924
International +1-813-248-0585
Australia 1-300-954-583
Brazil 0-800-591-6042
China 400-120-0751
India 000-800-100-4086
Mexico 01-800-099-0731

Contract number MIS9591327

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

<table>
<thead>
<tr>
<th>Health hazards</th>
<th>Category</th>
<th>Hazard summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin sensitisation</td>
<td>1</td>
<td>May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>

H317 - May cause an allergic skin reaction.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)

Signal word Warning
Hazard statements
H317 May cause an allergic skin reaction.
Precautionary statements

Prevention
P261 Avoid breathing mist or vapour.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Response
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage
Not assigned.

Disposal
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information
None.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>INDEX No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1)</td>
<td>&lt;0.06</td>
<td>55965-84-9</td>
<td>-</td>
<td>613-167-00-5</td>
<td></td>
</tr>
<tr>
<td>611-341-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Classification: Acute Tox. 3;H301, Acute Tox. 3;H311, Skin Corr. 1B;H314, Skin Sens. 1;H317, Eye Dam. 1;H318, Acute Tox. 3;H331, Aquatic Acute 1;H400, Aquatic Chronic 1;H410

Composition comments
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible).

4.1. Description of first aid measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact
Wash with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation develops and persists.

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth thoroughly. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact with skin and eyes may cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards
The product is not flammable.

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.

Unsuitable extinguishing media
None known.

5.2. Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Special protective equipment for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
   - Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up.
   - Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions
   - Do not allow to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up
   - Absorb spill with vermiculite or other inert material.

6.4. Reference to other sections
   - For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
   - Avoid inhalation and contact with skin and eyes. Wash thoroughly after handling. Handle and open container with care. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities
   - Assorted.

7.3. Specific end use(s)
   - Assorted.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
   - No exposure limits noted for ingredient(s).
   - No biological exposure limits noted for the ingredient(s).

8.2. Exposure controls
   - Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

8.3. Individual protection measures, such as personal protective equipment
   - General information: Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
   - Eye/face protection: Wear approved safety glasses or goggles.
   - Skin protection:
     - Hand protection: Wear appropriate chemical resistant gloves.
     - Other: Wear lab coat or other protective garments. Remove contaminated clothing promptly.
   - Respiratory protection: Under normal conditions, respirator is not normally required.
   - Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

8.4. Environmental exposure controls
   - Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
   - Appearance:
     - Physical state: Liquid.
     - Form: Liquid.
     - Colour: Colourless.
     - Odour: None.
     - Odour threshold: Not available.
     - pH: Not available.
     - Melting point/freezing point: Not available.
Initial boiling point and boiling range
Flash point
Evaporation rate
Flammability (solid, gas)
Upper/lower flammability or explosive limits
  Flammability limit - lower (%)
  Flammability limit - upper (%)
Vapour pressure
Vapour density
Relative density
Solubility(ies)
Partition coefficient (n-octanol/water)
Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties
Oxidising properties
9.2. Other information
  No relevant additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
  Stable at normal conditions.
10.2. Chemical stability
  Material is stable under normal conditions.
10.3. Possibility of hazardous reactions
  Polymerization will not occur.
10.4. Conditions to avoid
  Keep away from heat.
10.5. Incompatible materials
  None known.
10.6. Hazardous decomposition products
  Carbon oxides. Nitrogen oxides.

SECTION 11: Toxicological information

General information
  Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure
  Inhalation
    Vapours may irritate throat and respiratory system and cause coughing.
  Skin contact
    May cause skin irritation. May cause an allergic skin reaction.
  Eye contact
    May cause eye irritation.
  Ingestion
    May cause discomfort if swallowed.
Symptoms
  Direct contact with eyes may cause temporary irritation.

11.1. Information on toxicological effects

  Acute toxicity
    May cause discomfort if swallowed.
  Skin corrosion/irritation
    May cause skin irritation.
  Serious eye damage/eye irritation
    May cause eye irritation.
  Respiratory sensitisation
    Not classified.
  Skin sensitisation
    May cause an allergic skin reaction.
  Germ cell mutagenicity
    Not classified.
  Carcinogenicity
    Not classifiable as to carcinogenicity to humans.
  Reproductive toxicity
    Not classified.
  Specific target organ toxicity - single exposure
    Not classified.
  Specific target organ toxicity - repeated exposure
    Not classified.
  Aspiration hazard
    Not classified.
**SECTION 12: Ecological information**

**12.1. Toxicity**

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1) (CAS 55965-84-9)</td>
<td>Aquatic</td>
<td>Algae EC50 Algae</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**Partition coefficient n-octanol/water (log Kow)**

Not available.

**Bioconcentration factor (BCF)**

Not available.

**12.4. Mobility in soil**

The product is soluble in water.

**Mobility in general**

Not available.

**12.5. Results of PBT and vPvB assessment**

Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Residual waste**

Dispose in accordance with all applicable regulations.

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code**

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/standard precautions.

**SECTION 14: Transport information**

**ADR**

14.1. - 14.6.: Not regulated as dangerous goods.

**RID**

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN**

14.1. - 14.6.: Not regulated as dangerous goods.

**IATA**

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG**

14.1. - 14.6.: Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not established.

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulations**

- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended
  - Not listed.
  - Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended
  - Not listed.
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended
Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA
Not listed.

Authorisations
Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended
Not listed.

Restrictions on use
Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.
Not listed.

Other EU regulations
Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended
5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-Methyl-2,3-dihydroisothiazol-3-one (3:1) (CAS 55965-84-9)

Other regulations
This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

National regulations
Follow national regulation for work with chemical agents.

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out.

SECTION 16: Other information
List of abbreviations
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.

References
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity

Information on evaluation method leading to the classification of mixture
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training information
Follow training instructions when handling this material.

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