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

1.1. Product identifier

Trade name or designation of the mixture: antibody coated microwells

Registration number: -

Synonyms: None.

Product code: 602

Issue date: 01-December-2017

Version number: 02

Revision date: 04-August-2017

Supersedes date: 01-July-2015

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Use in accordance with supplier's recommendations.

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

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary: No hazards resulting from the material as supplied.

2.2. Label elements

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

Hazard pictograms: None.

Signal word: None.

Hazard statements: None.

Precautionary statements

Prevention: Observe good laboratory hygiene practices.

Response: Wash with plenty of water.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Supplemental label information: None.

2.3. Other hazards

Not a PBT or vPvB substance or mixture.
SECTION 3: Composition/information on ingredients

3.2. Mixtures

<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>Styrene, oligomers</td>
<td>&gt; 98</td>
<td>9003-53-6</td>
<td>500-008-9</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classifications</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>&gt; 1</td>
<td>112926-00-8</td>
<td>231-545-4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classifications</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

4.1. Description of first aid measures

**Inhalation**
Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if any discomfort continues.

**Skin contact**
For skin contact flush with large amounts of water while removing contaminated clothing. Get medical attention if irritation develops and persists.

**Eye contact**
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.

**Ingestion**
Dust may cause eye, skin and respiratory tract irritation.

4.2. Most important symptoms and effects, both acute and delayed
Provide general supportive measures and treat symptomatically.

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

SECTION 5: Firefighting measures

General fire hazards

Will burn if involved in a fire.

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

Fire will generate toxic and irritating gases.

5.3. Advice for firefighters

**Special protective equipment for firefighters**
Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures**
Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**
Ensure adequate ventilation. Avoid contact with eyes and prolonged skin contact. Wear suitable protective clothing.

**For emergency responders**
Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Avoid dust formation. Sweep or scoop up and remove.

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 prolonged exposure. Avoid inhalation of dust and contact with skin and eyes. Observe good laboratory hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities
Store at 2 - 8°C. Store in a closed container away from incompatible materials.

7.3. Specific end use(s)
Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (CAS 112926-00-8)</td>
<td>TWA</td>
<td>6 mg/m³</td>
<td>Inhalable dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures
Follow standard monitoring procedures.

Derived no-effect level (DNEL)
Not available.

Predicted no effect concentrations (PNECs)
Not available.

Exposure guidelines
Follow standard monitoring procedures.

8.2. Exposure controls

Appropriate engineering controls
No special ventilation requirements.

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 dust-resistant safety goggles.

Skin protection
- Hand protection
  It is a good industrial hygiene practice to minimise skin contact. Chemical resistant gloves are recommended.
- Other
  It is a good industrial hygiene practice to minimise skin contact.

Respiratory protection
In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practices.

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: Solid.
- Form: Solid.
- Colour: Not available.
- Odour: None.
- Odour threshold: Not applicable.
- pH: Not available.
- Melting point/freezing point: Not available.
- Initial boiling point and boiling range: Not relevant.
- Flash point: Not relevant.
- Evaporation rate: Not available.
- Flammability (solid, gas): Non flammable.
## Upper/lower flammability or explosive limits

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not relevant.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidising.</td>
</tr>
</tbody>
</table>

## 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
- Strong oxidising agents.
- Strong reducing agents.
- Strong acids.

### 10.6. Hazardous decomposition products
Carbon oxides. Nitrogen oxides.

## SECTION 11: Toxicological information

### Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Under normal conditions of intended use, this material is not expected to be an inhalation hazard.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Under normal conditions of intended use, this material does not pose a skin hazard.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Under normal conditions of intended use, this material does not pose a eye hazard.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Under normal conditions of intended use, this material does not pose a risk to health.</td>
</tr>
</tbody>
</table>

### Symptoms
Exposed may experience eye tearing, redness, and discomfort.

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>May cause discomfort if swallowed.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Dust may irritate skin.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Dust may irritate the eyes.</td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>

### IARC Monographs. Overall Evaluation of Carcinogenicity

- **Amorphous silica (CAS 112926-00-8)**: Not classifiable as to carcinogenicity to humans.
- **Styrene, oligomers (CAS 9003-53-6)**: Not classifiable as to carcinogenicity to humans.
SECTION 12: Ecological information

12.1. Toxicity  
No toxicity data noted for the ingredient(s).

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  
Not available.

Mobility in general  
The product is soluble in water.

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  
Not regulated as dangerous goods.

RID  
Not regulated as dangerous goods.

ADN  
Not regulated as dangerous goods.

IATA  
Not regulated as dangerous goods.

IMDG  
Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  
Not applicable.

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 (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended  
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended  
Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended  
Not listed.

Regulation (EC) No. 689/2008 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 authorization, 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.
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended
Not listed.

Other EU regulations
 Directive 2012/18/EU on major accident hazards involving dangerous substances
Not listed.
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Not listed.
Directive 94/33/EC on the protection of young people at work
Not listed.

Other regulations
The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended and respective national laws implementing EC directives. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006 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
Not available.

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
None.

Training information
Follow training instructions when handling this material.

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