SAFETY DATA SHEET

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

1.1. Product identifier
Trade name or designation of the mixture
OSOM® Mono Latex Bulb

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Not available.
Uses advised against
Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet
Corporate Headquarters
Sekisui Diagnostics, LLC
4 Hartwell Place, Lexington, MA 02421, USA
www.sekisuidiagnostics.com
Phone: +1-800-332-1042

Distributor
Sekisui Diagnostics (UK) Limited
Liphook Way, Allington,
Maidstone, Kent ME16 0LQ
www.sekisuidiagnostics.com
Phone: 44 (0) 1622 607800

Contact person
info@sekisui-dx.com

1.4. Emergency telephone number
Americas +1-760-476-3962
Europe, Middle East & Africa +1-760-476-3961
Asia Pacific +1-760-476-3960

Access code
333512

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

Health hazards
Skin sensitisation Category 1
H317 - May cause an allergic skin reaction.

Hazard summary
May cause allergic skin reaction.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended
Contains:
Natural Rubber

Hazard pictograms

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction.

Precautionary statements
Prevention
Avoid breathing dust.
Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

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

**Storage**
- Not assigned.

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

**Supplemental label information**
- None.

**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>
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<tr>
<td>Natural Rubber</td>
<td>50 - 60</td>
<td>9006-04-6</td>
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<td></td>
<td></td>
<td>232-689-0</td>
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</tr>
</tbody>
</table>

**Classification:** Skin Sens. 1; H317, Resp. Sens. 1; H334

**List of abbreviations and symbols that may be used above**
- DSD: Directive 67/548/EEC.

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

**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**
- Due to the physical form of the product, the ingredients are not expected to present a hazard by inhalation.

**Skin contact**
- Wash skin thoroughly with soap and water. If skin rash or an allergic skin reaction develops, get medical attention.

**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**
- May cause eczema-like skin disorders (dermatitis).

**4.2. Most important symptoms and effects, both acute and delayed**
- Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

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

**SECTION 5: Firefighting measures**

**General fire hazards**
- The product is not flammable. 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**
- Thermal decomposition can lead to release of irritating gases and vapors.

**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.
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
Avoid dust formation. Keep unnecessary personnel away.

For emergency responders
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
Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

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 contact with skin and eyes. Persons susceptible for allergic reactions should not handle this product. Wash thoroughly after handling. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities
Store in a closed container away from incompatible materials.

7.3. Specific end use(s)
Use in accordance with supplier's recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits
No exposure limits noted for ingredient(s).

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.

8.2. Exposure controls
Observe occupational exposure limits and minimise the risk of inhalation of dust and fumes.

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
Remove contaminated clothing promptly.

Respiratory protection
In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

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

Environmental exposure controls
No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Appearance
Physical state
Solid.

Form
Solid.

Colour
No data available.

Odour
Not available.

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 (%): Not available.  
Flammability limit - upper (%): Not available.  
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  

SECTION 10: Stability and reactivity  
10.1. Reactivity  
The product is stable and non reactive under normal conditions of use, storage and transport.  
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  
Dust generation. Heat, flames and sparks.  
10.5. Incompatible materials  
Strong oxidising agents. Strong acids.  
10.6. Hazardous decomposition products  
Thermal decomposition can lead to release of irritating gases and vapors.  

SECTION 11: Toxicological information  
General information  
Occupational exposure to the substance or mixture may cause adverse effects.  
Information on likely routes of exposure  
Inhalation  
Not likely, due to the form of the product.  
Skin contact  
May cause allergic skin reaction.  
Eye contact  
No adverse effects due to eye contact are expected.  
Ingestion  
Not relevant, due to the form of the product.  
Symptoms  
May cause eczema-like skin disorders (dermatitis).  
11.1. Information on toxicological effects  
Acute toxicity  
Not expected to be acutely toxic.  
Skin corrosion/irritation  
Not expected to be a primary skin irritant.  
Serious eye damage/eye irritation  
No adverse effects due to eye contact are expected.  
Respiratory sensitisation  
Not relevant, due to the form of the product. However: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Skin sensitisation  
May cause an allergic skin reaction.  
Germ cell mutagenicity  
Not classified.  
Carcinogenicity  
Not classified.  
Reproductive toxicity  
Not classified.  
Specific target organ toxicity - single exposure  
Not classified.  
Specific target organ toxicity - repeated exposure  
Not classified.
Aspiration hazard: Not classified.

Mixture versus substance information: Not available.

Other information: No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity: 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.

12.2. Persistence and degradability: No data is available on the degradability of this product.

12.3. Bioaccumulative potential: Not available.

12.4. Mobility in soil: No data 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: 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 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 has been classified according to the legislation in force.

National regulations
The product has been classified according to the legislation in force.

15.2. Chemical safety assessment

SECTION 16: Other information

List of abbreviations
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.

References
IARC Monographs. Overall Evaluation of Carcinogenicity
HSDB (2005)

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
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Training information
Follow training instructions when handling this material.

Disclaimer
The information above is provided in good faith. It is believed to be accurate and represents the best information currently available to us. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall Sekisui Diagnostics be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Sekisui Diagnostics has been advised of the possibility of such damages.
SAFETY DATA SHEET

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

1.1. Product identifier

| Trade name or designation of the mixture | OSOM® Mono Test Diluent |
| Registration number | - |
| Synonyms | None. |
| Kit number | 145 |
| Issue date | 21-October-2014 |
| Version number | 02 |
| Revision date | 14-December-2015 |
| Supersedes date | 21-October-2014 |

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

| Identified uses | Component of OSOM® Mono Test kit (Catalog # 145 & 145E). For use in the qualitative detection of infectious mononucleosis heterophile antibodies in serum, plasma or whole blood as an aid in the diagnosis of infectious mononucleosis. For In Vitro Diagnostic Use Only. |
| Uses advised against | Use in accordance with supplier's recommendations. |

1.3. Details of the supplier of the safety data sheet

| Corporate Headquarters | Sekisui Diagnostics, LLC |
| 4 Hartwell Place, Lexington, MA 02421, USA |
| www.sekisuidiagnostics.com |
| Phone: +1-800-332-1042 |

| Distributor | Sekisui Diagnostics (UK) Limited |
| Liphook Way, Allington, Maidstone, Kent ME16 0LQ |
| www.sekisuidiagnostics.com |
| Phone: 44 (0) 1622 607800 |

| Contact person | info@sekisui-dx.com |

1.4. Emergency telephone number

| Americas | +1-760-476-3962 |
| Europe, Middle East & Africa | +1-760-476-3961 |
| Asia Pacific | +1-760-476-3960 |

Access code

333512

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 | Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects. |

2.2. Label elements

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

| Hazard pictograms | None. |
| Signal word | None. |
| Hazard statements | The mixture does not meet the criteria for classification. |

Precautionary statements

| Prevention | None. |
| Response | None. |
| Storage | None. |
| Disposal | None. |

Supplemental label information

None.
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>Sodium azide</td>
<td>0.2</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>011-004-00-7</td>
<td>#</td>
</tr>
</tbody>
</table>

Classification: Acute Tox. 2;H300, Aquatic Acute 1;H400, Aquatic Chronic 1;H410

List of abbreviations and symbols that may be used above

DSD: Directive 67/548/EEC.
#: This substance has been assigned Community workplace exposure limit(s).

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

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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
If material is ingested, immediately contact a physician or poison control centre.

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

Ingestion of sodium azide may cause nausea, diarrhea, vomiting, headache, slight lowering of blood pressure, abdominal pain, and a general feeling of apprehension and unwellness.

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

Provide general supportive measures and treat symptomatically.

SECTION 5: Firefighting measures

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

When heated to decomposition, may produce hydrazoic acid fumes.

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.

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
Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders
Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. This mixture contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. Follow proper disposal procedures.

6.3. Methods and material for containment and cleaning up

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.

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 contact with skin and eyes. Wash thoroughly after handling. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care.

7.2. Conditions for safe storage, including any incompatibilities
Store at controlled room temperature at 15-30 ºC (59-86ºF). Store in a closed container away from incompatible materials.

7.3. Specific end use(s)
For in vitro diagnostic use. For detailed information, see section 1.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>STEL</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m3</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>STEL</td>
<td>0.3 mg/m3</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m3</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.

UK EH40 WEL: Skin designation
Sodium azide (CAS 26628-22-8) Can be absorbed through the skin.

8.2. Exposure controls
Appropriate engineering controls
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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.

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: Liquid.
- Form: Liquid.
- Colour: Colourless, clear.

Odour
Not available.

Odour threshold
Not available.

pH
7 approximately

Melting point/freezing point
Not available.
Initial boiling point and boiling range Not available.
Flash point Not available.
Evaporation rate Not available.
Flammability (solid, gas) Not applicable.
Upper/lower flammability or explosive limits
  Flammability limit - lower (%)
    Not available.
  Flammability limit - upper (%)
    Not available.
Vapour pressure Not available.
Vapour density Not available.
Relative density Not available.
Solubility(ies) Soluble
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.
Explosive properties Not explosive.
Oxidising properties Not oxidising.
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 Contact with acids liberates toxic gas.
10.4. Conditions to avoid Protect against direct sunlight.
10.6. Hazardous decomposition products None.

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 Prolonged skin contact may cause redness, irritation and dry skin. Sodium azide may be absorbed through the skin and result in systemic effects.
  Eye contact Splashes in the eyes may cause redness and irritation.
  Ingestion May be harmful if swallowed.
Symptoms May cause eye irritation on direct contact.
11.1. Information on toxicological effects
Acute toxicity May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
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<tr>
<td>LD50</td>
<td>Rabbit</td>
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<tr>
<td>Oral</td>
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<tr>
<td>LD50</td>
<td>Rat</td>
<td>27 mg/kg</td>
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<tr>
<td>Skin corrosion/irritation</td>
<td>Prolonged skin contact may cause redness, irritation and dry skin.</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>
Germ cell mutagenicity Not classified.
Carcinogenicity Not classified.
Reproductive toxicity Not classified.
Specific target organ toxicity - single exposure Not classified.
Specific target organ toxicity - repeated exposure Not classified.
Aspiration hazard Not classified.
Mixture versus substance information Not available.
Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity Not expected to be harmful to aquatic organisms.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
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<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50</td>
<td>Pseudokirchnerella subcapitata</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability No data is available on the degradability of this product.
12.3. Bioaccumulative potential 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 Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods Residual waste 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).
Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code Waste codes should be assigned by the user based on the application for which the product was used.
Disposal methods/information Dispose in accordance with all applicable regulations. This preparation contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If preparation enters drain, flush with a large volume of water to prevent azide build-up.

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 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.

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
Sodium azide (CAS 26628-22-8)

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Sodium azide (CAS 26628-22-8)

Directive 94/33/EC on the protection of young people at work
Sodium azide (CAS 26628-22-8)

**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**

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.
- **PBT**: Persistent, bioaccumulative and toxic.
- **vPvB**: Very Persistent and very Bioaccumulative.

**References**

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

**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**

- H300 Fatal if swallowed.
- H400 Very toxic to aquatic life.
Training information

Follow training instructions when handling this material.

H410 Very toxic to aquatic life with long lasting effects.

Disclaimer

The information above is provided in good faith. It is believed to be accurate and represents the best information currently available to us. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall Sekisui Diagnostics be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Sekisui Diagnostics has been advised of the possibility of such damages.
SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture: OSOM® Mono Test Negative Control

Registration number: -

Synonyms: Mono CONTROL -

Kit number: 145

Issue date: 21-October-2014

Version number: 02

Revision date: 14-December-2015

Supersedes date: 21-October-2014

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

Identified uses: Component of OSOM® Mono Test kit (Catalog # 145 & 145E). For external quality control testing. For In Vitro Diagnostic use only.

Uses advised against: Use in accordance with supplier’s recommendations.

1.3. Details of the supplier of the safety data sheet

Corporate Headquarters: Sekisui Diagnostics, LLC

4 Hartwell Place, Lexington, MA 02421, USA

www.sekisuidiagnostics.com

Phone: +1-800-332-1042

Distributor: Sekisui Diagnostics (UK) Limited

Liphook Way, Allington, Maidstone, Kent ME16 0LQ

www.sekisuidiagnostics.com

Phone: 44 (0) 1622 607800

Contact person: info@sekisui-dx.com

1.4. Emergency telephone number

Americas: +1-760-476-3962

Europe, Middle East & Africa: +1-760-476-3961

Asia Pacific: +1-760-476-3960

Access code: 333512

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: Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

2.2. Label elements

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

Hazard pictograms: None.

Signal word: None.

Hazard statements: The mixture does not meet the criteria for classification.

Precautionary statements

Prevention: None.

Response: None.

Storage: None.

Disposal: None.

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

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>Sodium azide</td>
<td>0.2</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>011-004-00-7</td>
<td>#</td>
</tr>
</tbody>
</table>

Classification: Acute Tox. 2; H300, 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.

4.1. Description of first aid measures

Inhalation

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

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

If material is ingested, immediately contact a physician or poison control centre.

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

Ingestion of sodium azide may cause nausea, diarrhea, vomiting, headache, slight lowering of blood pressure, abdominal pain, and a general feeling of apprehension and unwellness.

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

When heated to decomposition, may produce hydrazoic acid fumes.

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.

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

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders

Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions

Do not allow to enter drains, sewers or watercourses. This mixture contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. Follow proper disposal procedures.

6.3. Methods and material for containment and cleaning up

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.

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 contact with skin and eyes. Wash thoroughly after handling. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care.
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>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>STEL</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>STEL</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</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.

**UK EH40 WEL: Skin designation**

Sodium azide (CAS 26628-22-8) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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.

**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**: Liquid.
- **Form**: Liquid.
- **Colour**: Colourless, clear.
- **Odour**: Not available.
- **Odour threshold**: Not available.
- **pH**: 7 approximately
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: Not available.
- **Flash point**: Not 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
Contact with acids liberates toxic gas.

10.4. Conditions to avoid
Protect against direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products
None.

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
Prolonged skin contact may cause redness, irritation and dry skin. Sodium azide may be absorbed through the skin and result in systemic effects.

Eye contact
Splashes in the eyes may cause redness and irritation.

Ingestion
May be harmful if swallowed.

Symptoms
May cause eye irritation on direct contact.

11.1. Information on toxicological effects

Acute toxicity
May cause discomfort if swallowed.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>20 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>27 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified.</td>
<td></td>
</tr>
</tbody>
</table>
Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not classified.

Mixture versus substance information
Not available.

Other information
Not available.

SECTION 12: Ecological information

12.1. Toxicity
No data available.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>EC50</td>
<td>Pseudokirchnerella subcapitata</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No data is available on the degradability of this product.

12.3. Bioaccumulative potential
Not available.

12.4. Mobility in soil
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. 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).

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

EU waste code
Waste codes should be assigned by the user based on the application for which the product was used.

Disposal methods/information
Dispose in accordance with all applicable regulations. This preparation contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If preparation enters drain, flush with a large volume of water to prevent azide build-up.

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 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
  Sodium azide (CAS 26628-22-8)
- Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
  Sodium azide (CAS 26628-22-8)
- Directive 94/33/EC on the protection of young people at work
  Sodium azide (CAS 26628-22-8)

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.

National regulations

- The product has been classified according to the legislation in force.

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.
- PBT: Persistent, bioaccumulative and toxic.
- vPvB: Very Persistent and very Bioaccumulative.
- IARC Monographs. Overall Evaluation of Carcinogenicity
- HSDB® - Hazardous Substances Data Bank

References

- The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Information on evaluation method leading to the classification of mixture

- Full text of any H-statements not written out in full under Sections 2 to 15
  - H300 Fatal if swallowed.
  - 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.
The information above is provided in good faith. It is believed to be accurate and represents the best information currently available to us. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED. AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall Sekisui Diagnostics be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Sekisui Diagnostics has been advised of the possibility of such damages.
SAFETY DATA SHEET

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

1.1. Product identifier
Trade name or designation of the mixture
OSOM® Mono Test Positive Control
Registration number -
Synonyms Mono CONTROL +
Kit number 145
Issue date 21-October-2014
Version number 02
Revision date 14-December-2015
Supersedes date 21-October-2014

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Component of OSOM® Mono Test kit (Catalog # 145 & 145E). For external quality control testing. For In Vitro Diagnostic use only.
Uses advised against Use in accordance with supplier's recommendations.

1.3. Details of the supplier of the safety data sheet
Corporate Headquarters Sekisui Diagnostics, LLC
4 Hartwell Place, Lexington, MA 02421, USA
www.sekisuidiagnostics.com
Phone: +1-800-332-1042

Distributor Sekisui Diagnostics (UK) Limited
Liphook Way, Allington, Maidstone, Kent ME16 0LQ
www.sekisuidiagnostics.com
Phone: 44 (0) 1622 607800

Contact person info@sekisui-dx.com

1.4. Emergency telephone number
Americas +1-760-476-3962
Europe, Middle East & Africa +1-760-476-3961
Asia Pacific +1-760-476-3960
Access code 333512

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 Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

2.2. Label elements
Label according to Regulation (EC) No. 1272/2008 as amended
Hazard pictograms None.
Signal word None.
Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements
Prevention None.
Response None.
Storage None.
Disposal None.

Supplemental label information Not applicable.
2.3. Other hazards
Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
The components are not hazardous or are below required disclosure limits.

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. Call a physician if symptoms develop or persist.

   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
   If material is ingested, immediately contact a physician or poison control centre.

4.2. Most important symptoms and effects, both acute and delayed
Ingestion of sodium azide may cause nausea, diarrhea, vomiting, headache, slight lowering of blood pressure, abdominal pain, and a general feeling of apprehension and unwellness.

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
When heated to decomposition, may produce hydrazoic acid fumes.

5.3. Advice for firefighters
   Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
   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
   Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

   For emergency responders
   Use personal protection as recommended in section 8 of the SDS.

6.2. Environmental precautions
   Do not allow to enter drains, sewers or watercourses. This mixture contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. Follow proper disposal procedures.

6.3. Methods and material for containment and cleaning up
   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.

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 contact with skin and eyes. Wash thoroughly after handling. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care.

7.2. Conditions for safe storage, including any incompatibilities
   Store at controlled room temperature at 15-30 ºC (59-86ºF). Store in a closed container away from incompatible materials.

7.3. Specific end use(s)
   For in vitro diagnostic use. For detailed information, see section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
   Occupational exposure limits
   No exposure limits noted for ingredient(s).
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
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless, clear</td>
</tr>
<tr>
<td>Odour</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>7 Approximate</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<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 available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble</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 available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising</td>
</tr>
</tbody>
</table>

9.2. Other information
No relevant additional information available.
SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable and non reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Material is stable under normal conditions.

10.3. Possibility of hazardous reactions
Contact with acids liberates toxic gas.

10.4. Conditions to avoid
Protect against direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products
None.

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**: Prolonged skin contact may cause redness, irritation and dry skin.
- **Eye contact**: Splashes in the eyes may cause redness and irritation.
- **Ingestion**: May cause discomfort if swallowed.

Symptoms
- **Eye irritation**

11.1. Information on toxicological effects
- **Acute toxicity**: May cause discomfort if swallowed.
- **Skin corrosion/irritation**: Prolonged skin contact may cause redness, irritation and dry skin.
- **Serious eye damage/eye irritation**: May cause eye irritation.
- **Respiratory sensitisation**: Not classified.
- **Skin sensitisation**: No data available.
- **Germ cell mutagenicity**: Not classified.
- **Carcinogenicity**: Not classified.
- **Reproductive toxicity**: Not classified.
- **Specific target organ toxicity - single exposure**: Not classified.
- **Specific target organ toxicity - repeated exposure**: Not classified.
- **Aspiration hazard**: Not classified.
- **Mixture versus substance information**: Not available.
- **Other information**: No other specific acute or chronic health impact noted.

SECTION 12: Ecological information

12.1. Toxicity
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.

12.2. Persistence and degradability
No data is available on the degradability of this product.

12.3. Bioaccumulative potential
- **Partition coefficient n-octanol/water (log Kow)**: Not available.
- **Bioconcentration factor (BCF)**: Not available.

12.4. Mobility in soil
- **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. 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).

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

EU waste code: Waste codes should be assigned by the user based on the application for which the product was used.

Disposal methods/information: Dispose in accordance with all applicable regulations. This preparation contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If preparation enters drain, flush with a large volume of water to prevent azide build-up.

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 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
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Authorisations
- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Restrictions on use
- Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
- Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended
- Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

Other EU regulations
- Directive 2012/18/EU on major accident hazards involving dangerous substances

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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.

National regulations
The product has not been classified as dangerous according to the legislation in force.

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.
PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.

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

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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