1. Product and Company Identification

Material name: OSOM® Trichomonas Rapid Test Sample Buffer

Version #: 01

Issue date: 09-04-2012

Revision date: -

Supersedes date: -

CAS #: Mixture

Product code: 181, 181-5, 181E, 181G

Product use: Component of OSOM® Trichomonas Rapid Test kit (catalog # 181 & 181E). For use in the qualitative detection of Trichomonas vaginalis antigens. For In Vitro Diagnostic Use Only.

Synonym(s): Sample Buffer

Manufacturer information

Corporate Headquarters: Sekisui Diagnostics, LLC
31 New York Avenue, Framingham, MA 01701 USA
www.sekisuidiagnostics.com
Phone: 800-332-1042

Emergency Telephone Numbers

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

2. Hazards Identification

Physical state: Liquid.

Appearance: Colorless liquid.

Emergency overview: The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized.

OSHA regulatory status: This product is not hazardous according to OSHA 29CFR 1910.1200.

Potential health effects

Routes of exposure: Inhalation. Ingestion. Skin contact. Eye contact.

Eyes: Splashes may irritate and cause redness.

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

Inhalation: Vapors and mist may irritate throat and respiratory system and cause coughing.

Ingestion: May cause discomfort if swallowed. Do not ingest.

Target organs: None known.

Chronic effects: No data available.

Signs and symptoms: Ingestion may cause irritation and malaise.

Potential environmental effects: 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.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>26628-22-8</td>
<td>&lt; 0.1</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.
4. First Aid Measures

First aid procedures

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.

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

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

Ingestion
If material is ingested, immediately contact a poison control center.

Notes to physician
Provide general supportive measures and treat symptomatically.

5. Fire Fighting Measures

Flammable properties
This product is not flammable.

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.

Protection of firefighters
Specific hazards arising from the chemical
When heated to decomposition, may produce hydrazoic acid fumes.

Protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions
Use standard firefighting procedures and consider the hazards of other involved materials.

Hazardous combustion products
Fire will generate toxic and irritating gases. Carbon monoxide and carbon dioxide. Nitrogen oxides.

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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.

Methods for containment
Absorb spillage with non-combustible, absorbent material.

Methods for 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.

Other information
Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water. Clean up in accordance with all applicable regulations.

7. Handling and Storage

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.

Storage
Store at controlled room temperature at 15–30 ºC (59-86ºF). Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<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>Ceiling</td>
<td>0.29 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
</tr>
</tbody>
</table>
Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.3 mg/m³</td>
<td>Vapor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.29 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
<td>Vapor.</td>
</tr>
</tbody>
</table>

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

<table>
<thead>
<tr>
<th>Components</th>
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<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.29 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
<td>Vapor.</td>
</tr>
</tbody>
</table>

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.29 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide (CAS 26628-22-8)</td>
<td>Ceiling</td>
<td>0.3 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.11 ppm</td>
<td></td>
</tr>
</tbody>
</table>

Exposure guidelines
- Follow standard monitoring procedures.

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

Personal protective equipment
- **Eye / face protection**: Wear approved safety glasses or goggles.
- **Skin protection**: Wear lab coat or other protective garments. Remove contaminated clothing promptly.
- **Respiratory protection**: Under normal conditions, respirator is not normally required.
- **General hygiene considerations**: Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

- **Appearance**: Colorless liquid.
- **Physical state**: Liquid.
- **Form**: Liquid.
- **Color**: Colorless, clear.
- **Odor**: Not available.
- **Odor threshold**: Not available.
- **pH**: 7.4
- **Vapor pressure**: Not available.
- **Vapor density**: Not available.
- **Boiling point**: Not available.
- **Melting point/Freezing point**: Not available.
- **Solubility (water)**: Soluble
- **Specific gravity**: Not available.
- **Flash point**: Not available.
- **Flammability limits in air, upper, % by volume**: Not available.
- **Flammability limits in air, lower, % by volume**: Not available.
- **Auto-ignition temperature**: Not available.
10. Chemical Stability & Reactivity Information

Chemical stability  Material is stable under normal conditions.
Conditions to avoid  Protect against direct sunlight.
Hazardous decomposition products  None.
Possibility of hazardous reactions  Hazardous polymerization does not occur.

11. Toxicological Information

<table>
<thead>
<tr>
<th>Toxicological data</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<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>Sensitization</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Acute effects</td>
<td>May cause discomfort if swallowed.</td>
<td></td>
</tr>
<tr>
<td>Local effects</td>
<td>May cause eye irritation on direct contact.</td>
<td></td>
</tr>
<tr>
<td>Chronic effects</td>
<td>No data available.</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>ACGIH Carcinogens</td>
<td>Sodium azide (CAS 26628-22-8) A4 Not classifiable as a human carcinogen.</td>
<td></td>
</tr>
<tr>
<td>Epidemiology</td>
<td>No epidemicological data is available for this product.</td>
<td></td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Symptoms and target organs</td>
<td>May cause eye irritation on direct contact.</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td>No other specific acute or chronic health impact noted.</td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicological data</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<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>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia pulex) 2.8 - 6.2 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus) 0.68 mg/l, 96 hours</td>
</tr>
<tr>
<td>Ecotoxicity</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Environmental effects</td>
<td>An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.</td>
<td></td>
</tr>
<tr>
<td>Aquatic toxicity</td>
<td>Not classified.</td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No data is available on the degradability of this product.</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulation / Accumulation</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Mobility in environmental media</td>
<td>The product is soluble in water.</td>
<td></td>
</tr>
</tbody>
</table>

13. Disposal Considerations

Disposal instructions  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.
Waste from residues / unused products  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.

14. Transport Information

DOT
Not regulated as a hazardous material by DOT.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

TDG
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. This mixture is a component of an in vitro diagnostic device regulated by the U.S. Food and Drug Administration.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Spill: Reportable quantity
Sodium azide (CAS 26628-22-8) 1000 LBS

US EPCRA (SARA Title III) Section 302 - Extremely Hazardous Substance: Threshold Planning Quantity
Sodium azide (CAS 26628-22-8) 500 LBS

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration
Sodium azide (CAS 26628-22-8) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
Sodium azide (CAS 26628-22-8) Listed.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
Sodium azide: 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance (40 CFR 355, Appendix A)
No

Section 311/312 (40 CFR 370)
No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)
Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Non-controlled

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
US - California Hazardous Substances (Director's): Listed substance
Sodium azide (CAS 26628-22-8) Listed.
US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Not listed.
US - New Jersey RTK - Substances: Listed substance
Sodium azide (CAS 26628-22-8) Listed.
US - New Jersey Worker and Community Right-to-Know Act
Sodium azide (CAS 26628-22-8) Listed.
US. Massachusetts RTK - Substance List
Sodium azide (CAS 26628-22-8) Listed.
US. Pennsylvania RTK - Hazardous Substances
Sodium azide (CAS 26628-22-8) Listed.

Mexico regulations
This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information
Recommended restrictions
Use in accordance with supplier's recommendations.
Further information
HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings
Health: 0
Flammability: 0
Physical hazard: 0
NFPA ratings
Health: 0
Flammability: 0
Instability: 0
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.