# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **DIMERTEST Latex Reagent**

**Other means of identification**

**Product code** DLHK7, DIMERTEST Latex Reagent, ActiScreen™ XL-FDP, 800DB, 800DB-LX, XL-FDP Immunoagglutination Reagent

**Recommended use** Assorted.

**Recommended restrictions** Use in accordance with supplier's recommendations.

**Manufacturer/Importer/Supplier/Distributor information**

**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

**Emergency Telephone Numbers**
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

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** None.

**Response** None.

**Storage** None.

**Disposal** None.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information**

Contact with acids liberates very toxic gas.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| Sucrose | 57-50-1 | 5 - 10 |
| Sodium chloride | 7647-14-5 | 1 - 3 |
| Sodium azide | 26628-22-8 | 0.1 - 0.2 |

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

## 4. First-aid measures

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

**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 poison control center.

**Most important symptoms/effects, acute and delayed** Ingestion may cause irritation and malaise.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

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

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** Sodium azide may form explosive compounds in metal drain lines. When disposing of solutions through plumbing fixture, flush with copious amount of water.

**Special 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.

**General fire hazards** The product is not flammable.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** 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.

**Methods and materials 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.

**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.

## 7. Handling and storage

**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.

**Conditions for safe storage, including any incompatibilities** Store at 2-8°C (35-46°F). Store in a closed container away from incompatible materials.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value | Form |
|---|---|---|---|
| Sucrose (CAS 57-50-1) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |

**US. ACGIH Threshold Limit Values**

| Components | Type | Value |
|---|---|---|
| Sodium azide (CAS 26628-22-8) | Ceiling | 0.29 mg/m3 |
| | | 0.11 ppm |
| Sucrose (CAS 57-50-1) | TWA | 10 mg/m3 |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value | Form |
|---|---|---|---|
| Sodium azide (CAS 26628-22-8) | Ceiling | 0.3 mg/m3 | |
| | | 0.1 ppm | |
| Sucrose (CAS 57-50-1) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |

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

**Exposure guidelines** Follow standard monitoring procedures.

**US - California OELs: Skin designation**

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

**US - Tennessee OELs: Skin designation**

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

**US. NIOSH: Pocket Guide to Chemical Hazards**

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

**Appropriate engineering controls** Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Provide easy access to water supply and eye wash facilities.

**Individual protection measures, such as 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.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

**Appearance** Milky white suspension.

**Physical state** Liquid.

**Form** Liquid.

**Color** Milky white.

**Odor** Odorless.

**Odor threshold** Not available.

**pH** 7

**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.

**Vapor pressure** Not available.

**Vapor density** Not available.

**Relative density** Not available.

**Solubility(ies)**

**Solubility (water)** Soluble in water.

**Partition coefficient (n-octanol/water)** Not available.

| | |
|---|---|
| **Auto-ignition temperature** | Not available. |
| **Decomposition temperature** | Not available. |
| **Viscosity** | Not available. |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | 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. |
| **Chemical stability** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Conditions to avoid** | Keep away from heat. |
| **Incompatible materials** | Strong acids. Strong oxidizing agents. Strong reducing agents. |
| **Hazardous decomposition products** | Carbon oxides. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Vapors may irritate throat and respiratory system and cause coughing. |
| **Skin contact** | May cause skin irritation. |
| **Eye contact** | May cause eye irritation. |
| **Ingestion** | May cause discomfort if swallowed. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Ingestion may cause irritation and malaise. |

**Information on toxicological effects**

**Acute toxicity** May cause discomfort if swallowed.

| Components | Species | Test Results |
|---|---|---|
| Sodium azide (CAS 26628-22-8) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rabbit | 20 mg/kg |
| *Oral* | | |
| LD50 | Rat | 27 mg/kg |

| | |
|---|---|
| **Skin corrosion/irritation** | May cause skin irritation. |
| **Serious eye damage/eye irritation** | May cause eye irritation. |

**Respiratory or skin sensitization**

| | |
|---|---|
| **Respiratory sensitization** | Not classified. |
| **Skin sensitization** | Not classified. |
| **Germ cell mutagenicity** | Not classified. |
| **Carcinogenicity** | Not classifiable as to carcinogenicity to humans. |

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

Not listed.

| | |
|---|---|
| **Reproductive toxicity** | Not classified. |
| **Specific target organ toxicity - single exposure** | Not classified. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | Not classified. |
| **Chronic effects** | No data available. |
| **Further information** | No other specific acute or chronic health impact noted. |

## 12. Ecological information

**Ecotoxicity**

| Components | | Species | Test Results |
|---|---|---|---|
| Sodium azide (CAS 26628-22-8) | | | |
| **Aquatic** | | | |
| Algae | EC50 | Pseudokirchnerella subcapitata | 0.35 mg/l, 96 hours |
| Fish | LC50 | Fish | 5.7 mg/l, 96 hours |
| Sodium chloride (CAS 7647-14-5) | | | |
| **Aquatic** | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 874 mg/l, 48 hours |

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

**Bioaccumulative potential**

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

Sucrose (CAS 57-50-1) -3.7

**Mobility in soil** Not available.

**Mobility in general** The product is soluble in water.

**Other adverse 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.

## 13. Disposal considerations

**Disposal instructions** 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.

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

**US RCRA Hazardous Waste P List: Reference**

Sodium azide (CAS 26628-22-8) P105

**Waste from residues / unused products** Dispose in accordance with all applicable regulations.

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

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

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

## 15. Regulatory information

**US federal regulations** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

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

Not listed.

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

Sodium azide (CAS 26628-22-8) LISTED

**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

**SARA 302 Extremely hazardous substance**

| Chemical name | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) |
|---|---|---|---|---|---|
| Sodium azide | 26628-22-8 | 1000 | 500 | | |

**SARA 311/312 Hazardous chemical**
No

**SARA 313 (TRI reporting)**
Not regulated.

**Other federal regulations**

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

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
Not regulated.

**Safe Drinking Water Act (SDWA)**
Not regulated.

**US state regulations**
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**
Sodium azide (CAS 26628-22-8)
Sucrose (CAS 57-50-1)

**US. New Jersey Worker and Community Right-to-Know Act**
Sodium azide (CAS 26628-22-8)

**US. Pennsylvania Worker and Community Right-to-Know Law**
Sodium azide (CAS 26628-22-8)
Sucrose (CAS 57-50-1)

**US. Rhode Island RTK**
Sodium azide (CAS 26628-22-8)

**US. California Proposition 65**
Not Listed.

**International Inventories**

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

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

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

**Issue date** 01-December-2017

**Revision date** 03-August-2017

**Version #** 02

**NFPA ratings**


**List of abbreviations**

LD50: Lethal Dose, 50%.

**References**

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

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