SAFETY DATA SHEET
Cat# K1463-25, -50, -100 Coronavirus IgM/IgG Antibody Detection Card

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Coronavirus IgM/IgG Antibody Detection Card
PRODUCT CODES: Cat# K1463-25, -50, -250

RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.

MANUFACTURER: BioVision, Inc.
DIVISION: [Division Name]
ADDRESS: 155 S. Milpitas Boulevard, Milpitas, CA 95035
EMERGENCY PHONE: 858-373-8066
CHEMTREC PHONE: 800-424-9300
OTHER CALLS: 408-493-1800
FAX PHONE: 408-493-1801

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards: Target organ effect, Harmful by ingestion, Irritant, Carcinogen
Target Organs: Heart, bone marrow, blood, liver
GHS Classification:
Acute toxicity, Oral (Category 2), H300
Acute toxicity, Inhalation (Category 2), H330
Acute toxicity, Dermal (Category 1), H310
Specific target organ toxicity - repeated exposure, Oral (Category 2), Brain, H373
Short-term (acute) aquatic hazard (Category 1), H400
Long-term (chronic) aquatic hazard (Category 1), H410
GHS Label elements, including precautionary statements

Pictogram:
Signal word: Danger
Hazard statement(s):
H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled.
H373 May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s):
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing.
P284 Wear respiratory protection.
P301 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P350 + P310 IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/ physician.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P314 Get medical advice/ attention if you feel unwell.
P362 Take off contaminated clothing and wash before reuse.
P391 Collect spillage.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>K1463-25 (25 Tests)</th>
<th>K1463-50 (50 Tests)</th>
<th>K1463-100 (100 Tests)</th>
<th>Safety Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test card</td>
<td>Solid</td>
<td>25</td>
<td>50</td>
<td>100</td>
<td>No hazards</td>
</tr>
<tr>
<td>Sample Diluent</td>
<td>Liquid (Contains Sodium azide)</td>
<td>25 x 450 µl</td>
<td>50 x 450 µl</td>
<td>100 x 450 µl</td>
<td>See Below</td>
</tr>
</tbody>
</table>

Sodium azide

Emergency Overview

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Cat# K1463-25, -50, -100 Coronavirus IgM/IgG Antibody Detection Card

HMIS Classification
- Health hazard: 3
- Chronic health hazard: *
- Flammability: 0
- Physical hazards: 0
- NFPA Rating
  - Health Hazard: 2
  - Fire: 0
  - Reactivity Hazard: 0

Potential Health Effects
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: Harmful if absorbed through skin. Causes skin irritation.
- Eyes: Causes eye irritation.
- Ingestion: Harmful if swallowed.

SECTION 4: FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact: Flush eyes with water as a precaution.
If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5: FIRE-FIGHTING MEASURES

Condition of flammability: Not flammable or combustible.
Suitable extinguishing media: Dry powder
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.
Hazardous combustion products: Sodium oxides

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids. Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials
Recommended storage temperature: 4°C

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.
Personal protective equipment
- Respiratory protection
  Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- Hand protection
  Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- Eye protection
  Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin and body protection
  Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Sodium azide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Solid</td>
</tr>
<tr>
<td>pH:</td>
<td>10.0 at 65.0 g/l at 25.0 °C (77.0 °F)</td>
</tr>
<tr>
<td>Water Solubility:</td>
<td>408 g/l at 20 °C (68 °F)</td>
</tr>
<tr>
<td>Other Solubility:</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (g/ml):</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point (°C):</td>
<td>300 °C 572 °F - (rigorous decomposition)</td>
</tr>
<tr>
<td>Melting Point (°C):</td>
<td>370 - 425 °C (698 - 797 °F) - ASTM E 537-76 - Decomposition</td>
</tr>
<tr>
<td>Flash Point (°C):</td>
<td>300.0 °C (572.0 °F) - open cup</td>
</tr>
<tr>
<td>Ignition Temperature (°C):</td>
<td>309 °C (588 °F) - Relative self-ignition temperature for solids</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Coronavirus IgM/IgG Antibody Detection Card</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid:</td>
<td>An explosion occurred when a mixture of sodium azide, methylene chloride, dimethyl sulfoxide, and sulfuric acid were being concentrated on a rotary evaporator. Strong heating (decomposition). Exposure to moisture</td>
</tr>
<tr>
<td>Materials to avoid:</td>
<td>No data available</td>
</tr>
<tr>
<td>Hazardous decomposition products:</td>
<td>Sodium oxides</td>
</tr>
</tbody>
</table>

SECTION 11: TOXICOLOGICAL INFORMATION

Sodium azide:
Acute toxicity:
LD50 Oral - Rat - 27 mg/kg
Remarks: (RTECS)
LC50 Inhalation - Rat - male and female - 4 h - 0.054 - 0.52 mg/l
(US-EPA)
LD50 Dermal - Rabbit - 20 mg/kg
Remarks: (RTECS)
Skin corrosion/irritation: No skin irritation
Serious eye damage/eye irritation: No eye irritation
Respiratory or skin sensitization: negative
Germ cell mutagenicity: negative
Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity – single exposure (GHS): no data available
Specific target organ toxicity – repeated exposure (GHS): May cause damage to organs through prolonged or repeated exposure. - Brain
Aspiration hazard: no data available

Potential Health Effects
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure:
Nausea, Headache, Vomiting, Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Synergistic effects: no data available
Additional information: RTECS: VY9050000

SECTION 12: ECOLOGICAL INFORMATION
Sodium azide:
Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.
Toxicity:
- Toxicity to fish flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - 2.96mg/l - 96 h (OECD Test Guideline 203)
- Toxicity to algae static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 0.348 mg/l - 96 h (OECD Test Guideline 201)
- Toxicity to bacteria
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects

SECTION 13: DISPOSAL CONSIDERATIONS

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

Sodium azide:
DOT (US):
- UN number: 1687 Class: 6.1 Packing group: II
- Proper shipping name: Sodium azide
- Reportable Quantity (RQ): 1000 lbs
- Poison Inhalation Hazard: No
IMDG:
- UN number: 1687 Class: 6.1 Packing group: II EMS-No: F-A, S-A
- Proper shipping name: SODIUM AZIDE
- Marine pollutant: yes
IATA:
- UN number: 1687 Class: 6.1 Packing group: II
- Proper shipping name: Sodium azide

SECTION 15: REGULATORY INFORMATION

Coronavirus IgM/IgG Antibody Detection Card:
OSHA Hazards: No known OSHA hazards
SARA 302 Components: SARA 302: The following components are subject to reporting levels established by SARA Title III, Section 302: Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01
SARA 313 Components: SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313: Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01
SARA 311/312 Hazards: Acute Health Hazard
Pennsylvania Right To Know Components: Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01
New Jersey Right To Know Components: Sodium azide CAS-No. 26628-22-8 Revision Date: 2007-07-01
California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

EU regulations: This product is not classified according to the EU regulations.

<table>
<thead>
<tr>
<th>Component</th>
<th>Risk Phrases</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>--</td>
<td>--</td>
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</tbody>
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SECTION 16: OTHER INFORMATION

DISCLAIMER:
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.