



## SAFETY DATA SHEET

Section 1: Identification	
<b>Product Identifier</b>	QwikCheck™ beads, QwikCheck Beads Low Range
<b>Product Number</b>	0200, A-CA-01659-00
<b>Manufacturer/supplier</b>	Medical Electronic Systems 5757 West Century Blvd. Suite #805, Los Angeles, CA 90045 Tel: 310 670-9066 Fax: 310 670-9069 Web: <a href="http://www.mes-global.com">www.mes-global.com</a>
<b>Recommended use</b>	QwikCheck™ beads is an in-vitro use only external quality control material for automated and manual sperm counting systems. QwikCheck™ beads cannot be used to perform positive quality control for motility or correct for technician errors or faulty equipment.

Section 2: Hazard Identification	
<b>Classification of the substance or mixture</b>	<p>Contains highly diluted Sodium Azid.</p> <p><b>Classification according to Regulation (EC) No 1272/2008</b>            Acute toxicity, Oral (Category 4), H302            Chronic aquatic toxicity (Category 3), H412            For the full text of the H-Statements mentioned in this Section, see Section 12.</p> <p><b>Classification according to EU Directives 67/548/EEC or 1999/45/EC</b>            Xn Harmful R21/22            R52/53            For the full text of the R-phrases mentioned in this Section, see Section 12.</p>
<b>Label elements</b>	<p><b>Labeling according Regulation (EC) No 1272/2008</b></p> <p>Pictogram: </p> <p>Signal word: Warning            Hazard statement(s):            H302: Harmful if swallowed.            H412: Harmful to aquatic life with long lasting effects.            Precautionary statement(s):            P273: Avoid release to the environment.            Supplemental Hazard Statements: none</p> <p><b>According to European Directive 67/548/EEC as amended</b>            Hazard symbol(s): Xn Harmful  </p> <p>R-phrases(s):            R21/22: Harmful in contact with skin and if swallowed.            R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.            S-phrases(s):            S36/37: Wear suitable protective clothing and gloves.            S61: Avoid release to the environment. Refer to special instructions/ Safety data sheets</p>

Section 3: Composition/Information on Ingredients													
<b>Mixtures</b>	<p><b>Hazardous ingredients according to Regulation (EC) No 1272/2008</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 40%;">Component</th> <th style="width: 30%;">Classification</th> <th style="width: 30%;">Concentration</th> </tr> </thead> <tbody> <tr> <td>Sodium Azide, CAS # 26628-22-8</td> <td>Acute Tox. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H300 + H310, H410, EUH032</td> <td style="text-align: center;">&lt;1%</td> </tr> </tbody> </table> <p><b>Hazardous ingredients according to Directive 1999/45/EC</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr> <th style="width: 40%;">Component</th> <th style="width: 30%;">Classification</th> <th style="width: 30%;">Concentration</th> </tr> </thead> <tbody> <tr> <td>Sodium Azide, CAS # 26628-22-8</td> <td>T+, N, R27 - R28 - R32 - R50/53</td> <td style="text-align: center;">&lt;1%</td> </tr> </tbody> </table> <p>For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 12. The specific chemical identity of ingredients and/or exact percentage of composition is withheld as a trade secret.</p>	Component	Classification	Concentration	Sodium Azide, CAS # 26628-22-8	Acute Tox. 2; Acute Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H300 + H310, H410, EUH032	<1%	Component	Classification	Concentration	Sodium Azide, CAS # 26628-22-8	T+, N, R27 - R28 - R32 - R50/53	<1%
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#### Section 4: First-Aid Measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Consult a physician.  
**Eyes:** In case of contact, flush eyes immediately with copious amounts of water. Seek medical attention if symptoms occur.  
**Skin:** Wash with soap and water after each contact. Seek medical attention if symptoms occur.  
**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
**Most important symptoms and effects, both acute and delayed:** Described in the labeling (see Section 2) and/or in section 11.

#### Section 5: Fire-Fighting Measures

**Extinguishing media:** Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Special hazards arising from the substance or mixture:** No data available.  
**Advice for firefighters:** Wear self contained breathing apparatus for fire-fighting if necessary.

#### Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not discharge into environment.  
**Methods and materials for containment and cleaning up:** Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### Section 7: Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.  
Good laboratory practices should be followed, hand protection with gloves, clothing protection with laboratory coat - routine lab protection.  
**Conditions for safe storage, including any incompatibilities:** Store at room temperature. Keep containers tightly closed in a dry and well-ventilated place.

#### Section 8: Exposure Controls/Personal Protection

**Exposure controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

**Eye/face 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 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Full contact Material:** Nitrile rubber. Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

**Splash contact Material:** Nitrile rubber. Minimum layer thickness: 0,11 mm. Break through time: 480 min. Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M). Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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).

**Control of environmental exposure:** If safe, prevent further leakage/spillage. Do not let product enter drains or be discharged into the environment.

#### Section 9: Physical and Chemical Properties

##### Information on basic physical and chemical properties

- Appearance Form: liquid
- Odor/Odor Threshold: no data available
- pH / Viscosity: no data available
- Melting point/freezing point / Initial boiling point and boiling range: no data available
- Flash point: no data available
- Evaporation rate: no data available
- Flammability (solid, gas)/Upper/lower flammability or explosive limits: no data available
- Vapor pressure/density: no data available
- Relative density: ~1,00 g/mL at 20 °C
- Water solubility / Partition coefficient: n-octanol/water: no data available
- Auto-ignition temperature: no data available
- Decomposition temperature: no data available
- Explosive/Oxidizing properties: no data available



## Section 10: Stability and Reactivity

Reactivity: no data available  
Chemical stability: Stable under recommended storage conditions.  
Possibility of hazardous reactions: no data available  
Conditions to avoid: no data available  
Incompatible materials: Heavy metals may form extremely explosive azides.  
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.  
Other decomposition products: no data available  
In the event of fire: see section 5

## Section 11: Toxicological Information

### Information on toxicological effects

Acute toxicity: no data available  
Skin corrosion/irritation: no data available  
Serious eye damage/eye irritation: no data available  
Respiratory or skin sensitisation: no data available  
Germ cell mutagenicity: no data available  
Carcinogenicity IARC: No component of this product present at levels  $\geq 1\%$  is identified as probable, possible or a confirmed human carcinogen by IARC.  
Reproductive toxicity: no data available  
Specific target organ toxicity - single exposure: no data available  
Specific target organ toxicity - repeated exposure: no data available  
Aspiration hazard: no data available  
Additional Information RTECS: Not available  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## Section 12: Ecological information

Toxicity: no data available  
Persistence and degradability: no data available  
Bioaccumulative potential: no data available  
Mobility in soil: no data available  
Results of PBT and vPvB assessment: no data available  
Other adverse effects: no data available

## Section 13: Disposal considerations

### Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contaminated packaging: Dispose of as unused product.

## Section 14: Transport information

UN number:  

- ADR/RID: -
- IMDG: -
- IATA: -

UN proper shipping name  

- ADR/RID: Not dangerous goods.
- IMDG: Not dangerous goods.
- IATA: Not dangerous goods.

Transport hazard class(es)  

- ADR/RID: -
- IMDG: -
- IATA: -

Packaging group  

- ADR/RID: -
- IMDG: -
- IATA: -

Environmental hazards  

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

Special precautions for user: no data available

## Section 15: Regulatory information

This product complies with regulations:



CE: IVD 98\79\EC  
FDA: NA  
Health Canada: 95279

### Section 16: Additional Comments

To prevent build-up of metal azids reagents should be discarded into appropriate sewage disposal containers/systems diluted with volumes of water.

**Full text of H-Statements referred to under sections 2 and 3:**

Acute Tox.: Acute toxicity  
Aquatic Acute: Acute aquatic toxicity  
Aquatic Chronic: Chronic aquatic toxicity  
EUH032: Contact with acids liberates very toxic gas.  
H300 + H310: Fatal if swallowed or in contact with skin  
H302: Harmful if swallowed.  
H410: Very toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

**Full text of R-phrases referred to under sections 2 and 3:**

N: Dangerous for the environment  
R21/22: Harmful in contact with skin and if swallowed.  
R27: Very toxic in contact with skin.  
R28: Very toxic if swallowed.  
T+: Very toxic R32 Contact with acids liberates very toxic gas. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

All information presented above is correct to the best of our knowledge and Medical Electronic Systems does not claim that the information is all-inclusive but recommends that it should be used as a guide. Medical Electronic Systems shall not be held liable for any damage resulting from handling or from contact with the product.