

1. Identification of the substance/preparation and of the company/undertaking

Product details

Trade name: **G6PD Test Device**

Application of the substance / the preparation: In vitro diagnostic reagent. For professional use only.

Manufacturer/Supplier:

Manufacturer

Inverness Medical,
 10 Southgate Road,
 Scarborough,
 Maine 04074, USA.

Tel: +1 207-730-5750

Fax: + 1 207-730-5717

Email: TS.Binax@invmed.com

Further information obtainable from: www.invernessmedicalpd.com

Information in case of emergency:

Tel: +1 207-730-5750

2. Hazards identification

Classification according to OSHA Hazard Communication Standard 29 CFR 1910.1200:

As an article, the device is exempt from OSHA's Hazard Communication Standard 29 CFR 1910.1200.

3. Composition/information on ingredients

Chemical characterization

Description:

In vitro diagnostic reagent test device. Preparation. Laminated test strip consisting of solid support materials impregnated with dried chemical / biochemical reagents.

Dangerous components:

Component	CAS No.	OSHA PEL	ACGIH TLV	Concentration
Di Potassium Oxalate	583-52-8	-	-	5 – 10 %
2-Morpholinoethanesulphonic acid	4432-31-9	-	-	2 – 5 %

4. First-aid measures

General Information:

The following first aid measures are only relevant in the event of serious misuse, whereby the device is disassembled and there is exposure to the chemicals in the test strip.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with soap and water and rinse thoroughly.

After eye contact:

Immediately rinse opened eye for several minutes under running water. Consult a doctor in case of complaint.

After ingestion:

Wash out mouth with water. Consult a doctor.

5. Fire-fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire-extinguishing methods suitable to surrounding conditions.

Special hazards caused by the substance, its products of combustion or resulting gases:

In case of fire, the following can be released: Hazardous fumes, carbon oxides (CO_x), nitrogen oxides (NO_x), sulfur oxides (SO_x).

Protective equipment:

Wear full protective suit and self-contained respiratory protective device when extinguishing fires.

Additional information:

The device contains combustible materials.

6. Accidental release measures

Person-related safety precautions:

Refer to Section 8 for protective measures when handling the spillage.

Measures for environmental protection:

Avoid release to the environment.

Measures for cleaning/collecting:

Collect material and dispose of as waste according to Section 13.

7. Handling and storage

Information for safe handling:

Observe the general safety regulations when handling chemicals.
Avoid contact with the eyes, skin and mucous membranes.

Storage:

Store in the original container at 15 to 30°C.

Requirements to be met by storerooms and receptacles:

No special requirements.

8. Exposure controls/personal protection

Ingredients with limit values that require monitoring in the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

Additional information:

The lists valid during the creation of this MSDS were used as a basis for this assessment.

General protective and hygienic measures:

Specimens should be handled as potentially infectious materials. Refer to Regulation 29 CFR 1910.1030 for information on handling biohazardous materials.

Adhere to good laboratory practices (GLP).

Wash hands before breaks and at the end of work.

Clean work areas with hypochlorite or other disinfecting agent.

Personal protective equipment:

Respiratory protection: Not required.

Protection of hands: Disposable gloves.

Material of gloves: Latex/natural rubber.

Penetration time of glove material: Gloves resistance is not critical when the product is handled according to the instructions for use.

Eye protection: Safety glasses – recommended.

Body protection: Lab coat.

9. Physical and chemical properties

General Information

Form: Solid test strip housed in a hinged book shape cardboard holder

Color: White

Odor: Odorless

Flash point: Not applicable.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

10. Stability and reactivity

Stability: The product is stable in accordance with the recommended storage conditions.

Materials to be avoided: Strong oxidizing agents.

Hazardous reactions: No dangerous reactions known. Hazardous polymerization will not occur.

Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute toxicity:

Quantitative data on the toxic effects of this product is not available.

LD₅₀/LC₅₀ values relevant for classification:

Di Potassium Oxalate 583-52-8

LD₅₀ (Oral, rat): 660 mg/kg

TDL₀ (Human): 1,000 mg/kg

Primary effects (chemicals in the device):

After skin contact: May cause mild irritation.

After eye contact: May cause mild irritation.

After ingestion: Nausea and vomiting. Systemic effects of oxalates include drop in blood calcium level, toxic effect on kidneys and cardiovascular disorders.

Sensitization: No sensitization effects known.

12. Ecological information

Ecotoxic Effects:

Quantitative data on the toxic effects of this product are not available.

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Product:

Used devices should be disposed of as potentially biohazardous material in compliance with applicable federal, state and local waste management regulations. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Packaging:

Disposal must be made in accordance with federal, state, and local waste management regulations.

Contaminated packaging must be disposed of in the same manner as the product.

Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

14. Transport information

US DOT Transport Regulations:

Not regulated for transport.

Maritime transport IMDG:

Not regulated for transport.

Marine pollutant: No

Air transport ICAO-TI and IATA-DGR:

Not regulated for transport.

15. Regulatory information

US Hazard warnings according to 16 CFR 1600 and ANSI Standard Z129.1:

Not required.

Chemical inventory listings relevant to US regulations:**Carcinogen listings**

IARC:	None of the ingredients is listed.
NTP:	None of the ingredients is listed.
ACGIH:	None of the ingredients is listed.
OSHA:	None of the ingredients is listed.
EPA:	None of the ingredients is listed.

Californian Proposition 65

Chemicals known to cause cancer:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity:	None of the ingredients is listed.

SARA

Section 355 (extremely hazardous substances):	None of the ingredients is listed.
Section 313 (specific toxic chemical listings):	None of the ingredients is listed.

16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Prepared by: Dr. J. J. Tobin, ChemHaz Solutions, Email: info@chemhazsolutions.com