Drucker Diagnostics
Innovative Solutions for a Healthier World

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: QBC E-Z Prep Capillary Test Kit

Catalog Number: 424641

Product Use Description:
For hematology determinations with Capillary blood using QBC series Analyzer. For *In Vitro* Diagnostic Use

Manufacturer:
Drucker Diagnostics
200 Shady Lane, Suite 170
Philipsburg, PA, 16866 USA
Telephone (814) 692-7661

In case of an emergency, spill, fire, exposure, or accident contact:

Drucker Diagnostics Technical Support
866-265-1486

2. HAZARDS IDENTIFICATION

Classifications :

Specific Target Organ Toxicity (Repeated Exposure) – Category 2
Skin Irritation – Category 3
Eye Irritation – Category 2B
Germ Cell Mutagenicity- Category 1B

Health Statements:

H302/H312/H332	Harmful by inhalation, in contact with skin and if swallowed.
H313	May be harmful in contact with skin
H315/H320H335	Irritating to eyes, respiratory system and skin
H333	May be harmful if inhaled
H318	May cause serious eye damage
H373	May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P262	Avoid contact with skin and eyes
P305+351+338	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
P28	Wear protective gloves/protective clothing/eye protection/face protection
P314	In case of accident or if you feel unwell seek medical attention immediately, (show the label where possible)

3. COMPOSITION/INFORMATION ON INGRIEDIENTS

Mixture of the substances listed below with nonhazardous additions.

Hazardous Ingredients *(specific)*	CAS #	%
Potassium Oxalate	583-52-8	32%
Sodium Chloride	7647-14-5	1.4%
Acridine Orange	10127-02-3	0.79%

4. FIRST-AID MEASURES

Inhalation IF INHALED, supply fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.

Skin Contact IF ON SKIN, immediately wash with soap and water and rinse thoroughly.

Eye Contact IF IN EYES, rinse the open eye with water for 15 minutes. Seek medical attention if irritation develops.

Ingestion IF SWALLOWED, immediately seek medical attention.

Notes To Physician: Treat Symptomatically

5. FIRE-FIGHTING MEASURES

Flammability Summary

Product is not known to be flammable, combustible, pyrophoric, or explosive.

Suitable Extinguishing Agents

CO_2, ABC Multipurpose Dry Chemical or Water Spray

Fight larger fires with water spray or alcohol resistant foam.

Unsuitable Extinguishing Agents

Not Applicable

Protective Equipment

Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations

Use the personal protection equipment recommended in Section 8.

Measures for Environmental Protection

Wipe up with a damp sponge or mop.

Measures for Cleaning/Collecting

Use personal protection equipment recommended in Section 8 and be cautious if there is broken glass present. Use internal policy for cleaning-up and disposing of chemical contaminated sharps.

Refer to Section 13 for specific disposal information.

7. HANDLING AND STORAGE

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosion and fires:

No special measures required.

Storage

Requirements to be met by storerooms and receptacles:

No special requirements

Information about storage in one common storage facility:

Store away from oxidizing agents

Further information about storage conditions:

None.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines:

Component	CAS #*	Type*:	Value*
Potassium Oxalate	583-52-8	LD_{50} Oral	10-30 g (Adult)
Sodium Chloride	7647-14-5	LD_{50} Oral	3g/kg (Rat)
		LD_{50} Dermal	10g/kg (Rabbit)
		LC_{50} Inhalation	42g/m^3 (Rat) 1 h
Acridine Orange	10127-02-3	PEL	N/A

*This Information was taken from the MSDS' of the individual chemicals

Personal Protective Equipment



Respiratory Protection	Not necessary
Hand Protection	Chemical resistant gloves (i.e. nitrile)
Eye Protection	Safety glasses or face shield
Body Protection	Protective work clothing (i.e. lab coat)

When the product is used as directed with human blood:

Use appropriate personal protection equipment as instructed in an internal blood borne pathogen exposure control plan.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Orange/White
Odor	Characteristic
Melting Point	Undetermined
Boiling Point	Undetermined
Flash Point	Not Applicable
Flammability	Product is not flammable
Danger of Explosion	Product does not present an explosion hazard
Density	Undetermined
Solubility In Water	Soluble
pH	Not Applicable
Solvent Contents	0.0%
Solids Contents	100%

10. STABILITY AND REACTIVITY

Thermal Decomposition

No decomposition if used according to specifications

Conditions to Avoid

None if used according to specifications

Dangerous Reactions

No dangerous reactions known

Dangerous Products of Decomposition

Carbon Monoxide (CO) and Carbon Dioxide (CO_2)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	No acute toxicity effects known
Skin irritation/corrosion	May cause skin irritation or burns
Eye damage/irritation	May cause eye irritation or burns
Respiratory or skin sensitation	No sensitizing effects known
Reproductive cell mutagenicity	Contains mutagen*

Subchronic Data – Acridine Orange*

Bacteria Mutation: 10 mmol/L

DNA Damage Rodent-mouse ascites tumor: 20 µmol/L

DNA Adduct –fish, salmon sperm: 40 nmol/L

*This information was taken from the MSDS of acridine orange

Carcinogenicity No carcinogenic effects known
Reproductive Toxicity No reproductive toxicity effects known
Specific Target Organ Toxicity
Single Exposure No toxicity effects known
Repeated Exposure Target Organs: Blood, liver, kidney, respiratory system and skin
Aspiration Hazard No aspiration hazards known

12. ECOLOGICAL INFORMATION

The ecological effects have not been thoroughly investigated, but currently none have been identified.

Water Hazard Class 1 (Self-Assessment): slightly hazardous for water

13. DISPOSAL CONSIDERATIONS

Disposal of Product

This product is not considered a RCRA hazardous waste
Dispose of materials in accordance with federal, state and local requirements.
Product used with human blood as directed should be disposed of according to internal medical waste/sharps disposal requirements.

Disposal of Uncleaned Packaging

Dispose of materials in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

It is the determination of Drucker Diagnostics that the product does not meet the basic description of a Hazardous Material or Dangerous Good under the DOT, IATA or IMDG transportation regulations.

This product contains minimal amounts of toxic solids. The device is formed to a specific shape and the toxic materials are sprayed onto the glass. Due to the design during manufacturing and that the device must be used in whole during end use, the device does not release or otherwise result in exposure to hazardous chemical under normal conditions of use and transport.

DOT Regulations
Hazard Class Not Applicable

Land Transport ARD/RID
Hazard Class Not Applicable
Maritime transport IMDG
Hazard Class Not Applicable
Marine Pollutant No

Air Transport ICAO-TI and IATA-DGR

Hazard Class Not Applicable

15. REGULATORY INFORMATION

EPCRA Section 313 (Extremely Hazardous Substances)

26628-2-28 Sodium Azide
67-63-0 Isopropanol

TSCA (Toxic Substances Control Act)

583528 Potassium Oxalate
67630 Isopropanol

California Proposition 65 – Section A – Chemicals Known to Cause Cancer

None of the ingredients listed

California Proposition 65 – Section B – Chemicals Known to Cause Reproductive Toxicity

None of the ingredients listed

IARC (International Agency for Research on Cancer)

67630 Isopropanol (Group 3)

NTP (National Toxicology Program)

None of the ingredients listed

16. OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Drucker Diagnostics. or any of its subsidiaries assumes any liabilities 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.

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