

Mammalian Liver Profile

I. Product and Company Identification

<u>Product Name</u>: VetScan[®] Reagent Disc – Mammalian Liver Profile

A point of care blood diagnostic product

Part Numbers: 500-1040 (single); 500-0040-4 (4 Pack); 500-0040-12

(12 Pack)

<u>Company Information</u>: Abaxis, Inc. Abaxis Europe GmbH

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Emergency Number: +1-800-822-2947 (US)

This number is available only during business hours

(9:00am to 5:00pm UTC)

II. Hazard Identification

OSHA Hazards: No known OSHA hazards

GHS Hazards: Not a dangerous or hazardous substance or preparation

according to the Global Harmonized System (GHS).



Warning

CLP Hazards

H302 Harmful if swallowed
H315 Causes skin irritation

H335 May cause respiratory irritation

H401 To avoid risks to human health and the environment,

comply with the instructions for use

P273 Avoid release to the environment

P235 Keep cool (2-8°C)

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P308 + P313	If exposed or concerned: Get medical advice/attention
HMIS Ranking:	
Health hazard	1
Flammability	0
Physical hazards	0
NFPA Rating:	
Health hazard	1
Fire	0
Reactivity hazard	0

Potential Health Effects:

Inhalation May cause respiratory tract irritation

Skin May cause skin irritation
Eyes May cause eye irritation

III. Composition/Information on Ingredients

This product consists of reagent beads comprised of a mixture of low hazard lyophilized chemical beads enclosed in a plastic rotor. These beads are in concentrations not associated with human or environmental toxicity, which contain among the listed items, enzymes, preservatives and stabilizers in concentrations under 1%. Each rotor contains a cup of diluent containing less than 0.5 ml of water and preservatives in concentrations of less than 1%.

Two proprietary reagents are part of this product. The properties of these reagents have not been thoroughly evaluated.

Table 1 below lists the chemicals present in the panel in concentrations of greater than 1%:

TABLE 1

NAME OF SUBSTANCE	%	CAS#	EC#	HAZARD
D- Mannitol	22.8	69-65-8	200-711-8	Skin Irrit. 2
Polyethylene Glycol, 8000	7.4	25322-68-3	500-038-2	Skin Irrit. 2
Polyethylene Glycol, 3400	5.1	25322-68-3	500-038-2	Skin Irrit. 2
Tris(hydroxymethyl)amino methane	5.0	77-86-1	201-064-4	Skin Irrit. 2
Polyethylene glycol 2000	3.2	9004-74-4	215-801-2	Skin Irrit. 2
Dextran, 70 USP	3.0	9004-54-0	232-677-5	Skin Irrit. 2
Glycine (aminoacetic)	2.7	56-40-6	200-272-2	Skin Irrit. 2

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TABLE 1 (Continued)

NAME OF SUBSTANCE	%	CAS#	EC#	HAZARD
Sodium chloride	2.4	7647-14-5	231-598-3	Skin Irrit. 2
Myo-Inositol	2.2	87-89-8	201-781-2	Skin Irrit. 2
Sodium Azide	1.8	26628-22-8	247-852-1	Skin Irrit. 2
Citric acid	1.1	77-92-9	201-069-1	Skin Irrit. 2
Triton X-100	1.1	9002-93-1	Unlisted	Skin Irrit. 2
Sodium Lauryl sulfate	1.1	151-21-3	205-788-1	Skin Irrit. 2

IV. First Aid Measures

<u>In case of eye contact</u>: Flush eyes with copious amounts of water for a minimum

of 15 minutes

<u>In case of inhalation</u>: Allow the victim to rest in a well-ventilated area. Seek

immediate medical attention

In case of skin contact: Flush exposed skin with copious amounts of water for a

minimum of 15 minutes

<u>In case of ingestion</u>: Contact a physician in case of ingestion

V. Fire-Fighting Measures

No flammable properties are associated with this product.

<u>Extinguishing media</u>: Use water spray, dry chemical or carbon dioxide

<u>Hazardous combustion</u> May result in the formation of nitrogen and carbon

<u>products</u>: oxides

<u>Special protective</u> Wear self-contained breathing apparatus for firefighting

equipment for firefighters: if necessary

Additional information: Combustion of the plastic rotor containing this preparation

may result in toxic particulates and gases

VI. Accidental Release Measures

Personal precautions:

Eye Protection Wear safety goggles or a face shield when cleaning up spills

Skin Protection Wear protective attire that prevents contamination of skin

and personal clothing

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Hand Protection Wear nitrile or vinyl gloves that cover exposed skin

Other Protections Avoid breathing mists, dusts, and aerosols Environmental Controls: Prevent spilled product from entering drains

<u>Spill Clean-up Measures</u>: Contain the material to prevent it from becoming airborne

Place absorbent material on top of, and around the

perimeter of the spill

Sweep up the spilled material and decontaminate the area with soap and water or an equivalent cleaner

VII. Handling and Storage

This product is to be stored inside its packaging at 2-8°C in a cool, dry location. Wear gloves when handling the product and wash hands after removing gloves.

VIII. Exposure Controls/Personal Protection

None of the chemicals in this preparation are assigned occupational exposure limits. This product can be safely handled under normal conditions with no controls.

Engineering Controls: Provide ventilation in work areas where this product is

handled

Personal Protective Safety glasses and chemical-resistant gloves

Equipment: recommended

IX. Physical and Chemical Properties

Physical state: Solid. Spherical lyophilized beads are enclosed in a

sealed plastic package

Color: Multi-colored beads

Odor: Odorless

Odor threshold: None established
Chemical Properties: None available for

• pH, Melting point

Boiling point

Flash point

Lower Explosive LimitUpper Explosive Limit

Vapor pressure

Vapor density (air=1)

Density (g/cm3)

Water solubility (20°C in g/l)Auto ignition temperature

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X. Stability and Reactivity

Reactivity: This preparation is not known to be reactive violently

<u>Chemical Stability</u>: This preparation is known to be chemically stable

Thermal Decomposition: Will decompose when burned

Conditions to Avoid: Sunlight, heat (temperatures above 32°C)

<u>Incompatible Materials</u>: No data available

Hazardous Decomposition

Products: No harmful decomposition products known

Storage Conditions: Store in a cool (2-8°C), dry location

XI. Toxicological Information

No information found on Specific Symptoms. The toxicological properties of this preparation have not been fully investigated. Table 2 below lists the chemicals contained in the Panel and their toxicology information:

TABLE 2

NAME OF SUBSTANCE	ACUTE TOXICITY LD ₅₀ / LC ₅₀	CHRONIC TOXICITY (CMR) 1
D- Mannitol	13,500 mg/kg (Oral, Rat)	No data available
Polyethylene glycol 8000	> 50,000 mg/kg (Oral,Rat)	No data available
Polyethylene glycol, 3400	> 50,000 mg/kg (Oral,Rat)	No data available
Tris(hydroxymethyl)amino methane	5900 mg/kg (Oral, Rat)	No data available
Polyethylene glycol, 2000	> 50,000 mg/kg (Oral, Rat)	No data available
Dextran 70	10,700 mg/kg (scu, Rat)	Reproductive effects to women at high doses
Glycine	7,930 mg/kg (Oral, Rat)	No data available
Sodium Chloride	3000 mg/kg (Oral, Rat)	No data available
Myo-Inositol	10,000 mg/kg (Oral, Mse)	No data available
Sodium Azide	10 mg/kg (Oral, Rabbit)	No data available
Citric acid	5,400 mg/kg (Oral, Rat)	No data available
Triton X-100	1,800 mg/kg (Oral, Rat)	No data available

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TABLE 2 (Continued)

NAME OF SUBSTANCE	ACUTE TOXICITY LD ₅₀ / LC ₅₀	CHRONIC TOXICITY (CMR) 1
Sodium Lauryl sulfate	1,288 mg/kg (Oral, Rat)	No data available

⁽CMR)¹ – Refers to carcinogenicity, mutagenicity, and reproductive hazards.

XII. Ecological Information

No information found. This preparation is very soluble in water, and is not anticipated to present adverse ecotoxicological effects.

XIII. Disposal Considerations

Waste Treatment Methods: Check regional waste requirements

<u>Waste Treatment Options</u>: Treatment options approved by local authorities

Sewage Disposal Options: Check with local authorities before discharge to the sewer

Other Disposal Dispose of according to local, state, and national

<u>Recommendations</u>: regulatory requirements

U.S. Waste Classification: Non-RCRA Waste

California Waste Codes: H132

XIV. Transport Information

Follow federal and local regulations.

DOT and IATA Shipping Information:

Not regulated as a dangerous good

ADR Information:

Not Applicable

IMDG:

Not a dangerous good

XV. Regulatory Information

<u>US OSHA</u>: Not regulated as a hazardous material

<u>US EPA</u>: Hazards to the environment have not been

thoroughly investigated

<u>EU Regulations</u>: This material safety data sheet conforms to Regulation

(EC) No 1272/2008, 1907/2006, and other requirements

established by the European Union

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National Regulations: Germany: Water Hazard Class I

Chemical Safety Assessment: A Chemical Safety Assessment has not been completed

for this product

XVI. Other Information

The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. Abaxis shall not be held liable for any damage resulting from handling or from contact with the above product.

Precautionary Statements:

R36 Irritating to eyes

R38 Irritating to skin

S24/ 25 Avoid contact with skin and eyes

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