



## MATERIAL SAFETY DATA SHEET

### 1. PREPARATION AND COMPANY IDENTIFICATION

1.1 Preparation identification:

**Kit identification:**

**TMB Substrate**

CoproELISA™ Blastocystis, Cat. No. 714-01  
CoproELISA™ Giardia, Cat. No. 724-01  
CoproELISA™ Cryptosporidium, Cat. No. 734-01  
CoproELISA™ Giardia/Cryptosporidium,  
Cat. No. 744-01  
CoproELISA™ Entamoeba, Cat. No. 754-01  
CoproELISA™ C.difficile GDH, Cat. No. 784-01  
CoproELISA™ C.difficile Tox A/B Cat. No. 794-01

1.2 Company identification:

**Savyon Diagnostics Ltd.**

3 Habosem St., Ashdod, 77610, Israel  
Tel: +972.8.8562920 Fax: +972.8.8523176  
E-mail: [info@savyondiagnosics.com](mailto:info@savyondiagnosics.com)

### 2. COMPOSITION / INGREDIENTS INFORMATION

Chemical nature of the substance: 3,3',5,5' - Tetramethylethylenediamine (TMB)  
CAS number (substance): 54827-17-7  
Classification of the substance: Xn;R22 N;R51/53  
Concentration of the substance in the preparation: <0.05%

***WARNING: the classification and the risk warnings given in point 2, refer to the substance. The same information referring to the preparation is given in point 15.***

### 3. IDENTIFICATION OF HAZARDS

**Particular information pertaining specific risk for human and environment**

The health risk is low – see section 15

### 4. FIRST AID MEASURES

Eye Contact: Flush thoroughly with water or physiological salt water. Remember to remove contact lenses. If irritation persists seek medical advice.

Skin Contact: Remove contaminated clothing and wash with water and soap.

Inhalation: Go to fresh air. Keep at rest. If person feels queasy/discomfort seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep under surveillance. If person feels queasy/discomfort seek medical advice.

Information: Show this Safety Data Sheet to a physician or emergency ward.

### 5. FIRE PROTECTION

Flammability: Not combustible; aqueous solution  
Extinguishing media: Use suitable extinguishing media for surrounding fire.



Extinguishing media not be used:	-
Special risks in a fire situation:	When heated to dryness the product may form hazardous decomposition products.
Protective equipment:	When extinguishing fires use breathing apparatus with an independent source of air.

## 6. ACCIDENTAL SPILL AND RELEASE MEASURES

Personal safety measures:	Provide for sufficient ventilation / respiratory protection. See protective equipment listed in section 8.
Environmental safety measures:	Do not empty into drains. If large amounts of the product contaminates sewages, inform appropriate authorities in accordance with local regulations.
Cleaning systems:	Absorb spilled liquid and place spillage in a plastic container.

## 7. HANDLING AND STORAGE

7.1 Safe handling:	See section 8.
7.2 Safe storage:	At 4°C. Keep container closed when not in use.

## 8. PERSONAL PROTECTION/EXPOSURE CONTROL

Engineering Measures (prevention of worker exposure)	Avoid contact with skin and eyes
Personal protective equipment	
Eye protection:	Wear safety goggles when risk of splashes.
Skin protection:	Use gloves of plastic or rubber when risk of contact.
Respiratory protection:	None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES OF THE PREPARATION

Appearance:	Liquied
Smell:	-
Boiling-point (°C):	About 100
Flash-point (°C):	-
Density (g/ml) at 20°C	About 1
Solubility in water	Miscible

## 10. STABILITY AND REACTIVITY

Stability	-
Conditions to be avoided:	-
Materials to be avoided:	-
Hazardous decomposition products:	When heated to dryness the product may form hazardous decomposition products.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity of substance:



Eyes:	May give irritation
Skin:	May give irritation
Inhalation:	Inhalation is not possible when used as recommended
Ingestion:	May give irritation of the gastrointestinal tract
Long term toxicity:	TMB has shown a possible mutagenic effect in experimental animals (mice).

## 12. ECOLOGICAL INFORMATION

Mobility:	
Degradability:	TMB is not readily biodegradable
Accumulation:	The calculated log P <sub>OW</sub> of TMB is 4.11 and TMB is therefore suspected to accumulate.
Short and long term effects:	TMB is toxic to aquatic organisms, and may cause long-term adverse effects in the aquatic environment.
Other adverse effects:	Use of the product can involve external environmental pollution. Do not empty into waters or drains.

## 13. DISPOSAL CONSIDERATIONS

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.  
EWC-code: 16 05 03

### *Packaging*

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

## 14. TRANSPORT INFORMATION

### Road/Rail (ADR/RID)

Class -	Item no. -	Letter:-
UN No. -		
Proper Shipping Name:-		

### Sea (IMDG)

IMDG Class:-	IMDG Page No: -
UN no:-	MARPOL:-
MFAG:-	EmS:-
Pack. Group:-	

### Air (ICAO/IATA)

ICAO Class :-	ICAO UN No.:-
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## 15. REGULATORY INFORMATION

### Classification according to EEC directives

ALTos a/s has the 12<sup>th</sup> of May 2000 evaluated, that the preparation is not to be classified according to EEC Directive 88/379/EEC.

This Safety Data Sheet is intended as a service to customers / users of this product.

Danger symbol and danger designation:	None
Risk - phrases	-
Safety-phrases:	-
EINECS no:	-



**savyonDIAGNOSTICS**

*member of the gamida diagnostics division*

## **16. OTHER INFORMATION**

### **Use**

For research and analysis (ELISA)

### **Restriction on application**

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### **Requirements concerning special training**

No special training is anticipated, however, the user should be well instructed for the execution of his task, have knowledge of this Safety Data Sheet and normal training in the use of personal protective equipment.

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