



## MATERIAL SAFETY DATA SHEET

### 1. PREPARATION AND COMPANY IDENTIFICATION

1.1 Preparation identification:  
IgG Inactivation Reagent

Kit identification:  
IPAzyme Chlamydia™ IgM (012-01)  
SeroELISA™ Chlamydia IgM (112-01),  
SeroFIA™ IgM (512-01),  
SeroFIA™ C. psittaci (570-01)  
SeroFIA™ C. trachomatis (580-01),  
SeroFIA™ C. pneumoniae (590-01)

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: Sodium Azide (NaN<sub>3</sub>)  
CAS number (substance): 26628-22-8  
Classification of the substance: T- Very Toxic  
Risk warnings relating to the substance: T 28-32 S ½ - 28 – 45 – 60 - 61 Very Toxic  
Concentration of the substance in the preparation: <0.1%

***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

Risks for health/environment:

After inhalation of dust:

Irritation symptoms in respiratory tract.

After skin contact:

Irritant effect

After ingestion:

Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. Highly toxic.

Sodium azide: after ingestion: systemic effect: CNS disorders, tachycardia, decrease in blood pressure, dyspnoea, headaches, vomiting, nausea. After contact with the substance: risk of skin absorption.

*Further data*

The product should be handled with the care usual when dealing with chemicals.

Ecological information:

The following applies to azides in general: azides are toxic for aquatic organisms. Biological effects: fish: L. macrochirus toxic as from 1.5 ppm in 24 h. Approx. acute toxicity for lower organisms: 5mg/l: approx. acute toxicity for cold-blooded animals: 1mg/l



(values stated for sodium azide.

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

## 4. FIRST AID MEASURES

Contact with skin:

Wash off with plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing.

Contact with the eyes:

Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Immediately summon eye specialist.

Ingestion:

Drink plenty of water. Induce vomiting. Gastric lavage. Sodium sulfate (1 tablespoon /1/4litres water). Activated charcoal. Immediately summon doctor.

Inhalation:

Fresh air. Summon doctor.

## 5. FIRE PROTECTION

Extinguishing media:

Metal fire powder. Cover with dry sand or cement.

Extinguishing media not be used:  
Exposure risks resulting from the preparation and from the combustion products:

Water, foam.  
Combustible. Danger of dust explosion. Keep workplace dry. Do not allow product to come into contact with water. Development of hazardous vapors possible in the event of fire.

## 6. ACCIDENTAL SPILL AND RELEASE MEASURES

Personal safety measures:

Avoid substance contact. Avoid generation of dusts.

Environmental safety measures:

Do not allow to enter sewerage system.

Cleaning systems:

Carefully take up dry. Forward for disposal.

## 7. HANDLING AND STORAGE

7.1 Handling:

No further requirements.

7.2 Storage:

Tightly closed in a well-ventilated place. Accessible only for authorized persons.

## 8. PERSONAL PROTECTION/EXPOSURE CONTROL

Exposure limits to the substance:

MAK Germany (max. workplace conc.)  
Sodium Azide: 0.2mg/m<sup>3</sup>

TLV-TWA

(Threshold limit value - time weighted average):

Personal protection when using the preparation:

- respiratory:

Required when dusts are generated.

- hands:

Required

- eyes:

Required

- skin:

Laboratory coat



Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance. Under no circumstances eat or drink at workplace. Work under hood. Do not inhale substance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES OF THE PREPARATION

Aspect:	Solid white powder
Smell:	None
pH:	NA
Boiling-point/range:	NA
Melting-point/range:	NA
Fire-point:	NA
Infallibility:	NA
Spontaneous ignition:	NA
Explosive properties:	NA
Burning properties:	NA
Vapor pressure:	NA
Specific gravity:	1 gr/cm <sup>3</sup> at 20°C
Hydrosolubility:	Completely soluble in water
Liposolubility:	NA
NA = not available	

## 10. STABILITY AND REACTIVITY

Conditions to be avoided:	Strong heating
Substances to be avoided:	Acids, heavy metals, metallic salts (risk of explosion!)
Dangerous decomposition products:	No information available

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity of substance:	Lowest dose known to have caused toxic symptoms in man after oral uptake (TDLo): TDLo (oral human): 0.71 mg/kg: LD <sub>50</sub> (oral, rat): 27mg/kg: LD <sub>50</sub> (dermal, rabbit): 20mg/kg
Local effects of substance:	Very toxic. Liberates very toxic gas if comes in contact with acid.
Local effects of preparation:	Irritating to eyes and skin. Causes redness of the eyes.

## 12. ECOLOGICAL INFORMATION

Use the preparation according to good laboratory practices and avoid dispersion in the environment.

Ecological information

The following applies to azides in general: azides are toxic for aquatic organisms. Biological effects: fish: *L. macrochirus* toxic as from 1.5 ppm in 24 h. Approx. acute toxicity for lower organisms: 5mg/liter: approx. acute toxicity for cold-blooded animals: 1mg/liter (values stated for sodium azide.) Adverse ecological effects cannot be excluded in the event of improper handling or disposal.



## 13. WASTE DISPOSAL PROCEDURES

The waste produced from utilizing the preparation (rejected products, contaminated containers, etc.) and the unused preparation should be disposed of according to the prevailing regulations and guidelines of the agencies holding jurisdiction over the laboratory, and the regulations of each Country.

The disposal of liquid effluents should be carried out according to the existing local laws and to the existing local regulations governing water pollution.

### *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. SHIPMENT INFORMATION

Information concerning shipment of the preparation according to:

ADR - Accord European: September 30th 1957 - modified January 1st 1990

IATA Dangerous Goods Regulations

## 15. REGULATORY INFORMATION

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: -

## 16. OTHER INFORMATION

- This safety sheet has been drafted according to the following regulation:  
CLASSIFICATION AND RULES FOR PACKAGING AND LABELING OF DANGEROUS PREPARATIONS ACCORDING TO THE DIRECTIVES ISSUED BY THE COUNCIL AND COMMISSION OF THE EUROPEAN COMMUNITIES, ACCORDING TO THE ARTICLE 38 OF THE LAW NO 128 OF APRIL 24, 1988.

- The information relating to the substance refers to the substance safety sheet supplied by the Manufacturer.

- The purpose of this safety sheet is to ensure correct and safe use, storage, shipment and disposal of the preparation. All included information is based on our knowledge of the preparation at the date of issue of this sheet.

Prepared By: Esti Sagiv

Date: July 2014