

Material Safety Data Sheet According to 91/155 EEC

Printing date 02.04.2007

version number 5

Reviewed on 11.01.2007

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

***Trade name:** ANTIMONY ICP STANDARD SOLUTION

***Article number:** PSB4B4

***Application of the substance / the preparation** Laboratory chemicals

***Manufacturer/Supplier:**
Reagecon Diagnostics Ltd.
Shannon Free Zone,
Shannon,
Co. Clare,
IRL.

Tel +353 61 472622

Fax +353 61 472642


***Further information obtainable from:** EMERGENCY CONTACT NUMBER :- 353-87-7828692

2 Composition/information on ingredients

***Chemical characterization**

***Description:** Mixture of substances listed below with nonhazardous additions.

***Dangerous components:**

CAS: 1309-64-4	antimony trioxide	 Xn; R 40	≤ 2.5%
EINECS: 215-175-0			

***Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

***Hazard description:**



Xn Harmful

***Information concerning to particular hazards to man and environment:**

The product has been classified and labelled in accordance with EU Directive 99/45/EC and all other EU Directives referred to therein.

R 40 Limited evidence of a carcinogenic effect.

***Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

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

***After skin contact:** Generally the product does not irritate the skin.

***After eye contact:** Rinse opened eye for several minutes under running water.

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***After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.Protective equipment:** No special measures required.

6 Accidental release measures

Person-related safety precautions:** Not required.Measures for environmental protection:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

***Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7 Handling and storage

Handling:PPE to be worn. See section 8**Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:** No special measures required.Storage:*****Requirements to be met by storerooms and receptacles:** No special requirements.***Information about storage in one common storage facility:** Not required.***Further information about storage conditions:** None.

8 Exposure controls/personal protection

Additional information about design of technical facilities:** No further data; see item 7.Ingredients with limit values that require monitoring at the workplace:**

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

Additional information:** The lists valid during the making were used as basis.Personal protective equipment:*****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

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***Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

***Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

***Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

***Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

***Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

***General Information**

Form:	Liquid
Colour:	According to product specification
Odour:	Characteristic

***Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 85°C

***Flash point:** Not applicable.

***Self-igniting:** Product is not selfigniting.

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

***Density at 20°C:** 1.05355 g/cm³

***Solubility/ miscibility with water:** Fully miscible.

***Solvent content:**
Organic solvents: 0.0 %

10 Stability and reactivity

***Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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***Dangerous reactions** No dangerous reactions known.

***Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

***Acute toxicity:**

***LD/LC50 values relevant for classification:**

1309-64-4 antimony trioxide

Oral	LD50	3250 mg/kg (rat)
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***Primary irritant effect:**

***on the skin:** No irritant effect.

***on the eye:** No irritating effect.

***Sensitization:** No sensitizing effects known.

***Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

12 Ecological information

***General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

***Product:**

***Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

***Uncleaned packaging:**

***Recommendation:** Disposal must be made according to official regulations.

***Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

***Land transport ADR/RID (cross-border)**

***ADR/RID class:** -

***Maritime transport IMDG:**

***IMDG Class:** -

***Marine pollutant:** No

***Air transport ICAO-TI and IATA-DGR:**

***ICAO/IATA Class:** -

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***Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

***Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directive 99/45/EC and all other EU Directives referred to therein.

***Code letter and hazard designation of product:**



Xn Harmful

***Hazard-determining components of labelling:**

antimony trioxide

***Risk phrases:**

40 Limited evidence of a carcinogenic effect.

***Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

36/37 Wear suitable protective clothing and gloves.

60 This material and its container must be disposed of as hazardous waste.

***National regulations:**

***Technical instructions (air):**

Class	Share in %
Water	92.7
III	1.2

***Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Department issuing MSDS:** Safety Officer

***Contact:** Mr. Sean Murphy