



Preparing for the New Era of Laboratories

## SAFETY DATA SHEET (SDS)

According to regulation (EU) no.1907/2006

### **Antimony Standard Solution 1000 mg/L (1000 ppm)**

PRODUCT CODE : I-9076

CAS No : 10025-91-9

FORMULA : Sb (SbCl<sub>3</sub> in HCl 2 M)

UN No : 1789

website : [www.labotiq.net](http://www.labotiq.net)

**SAFETY DATA SHEET (SDS)****Antimony Standard Solution 1000 mg/L (1000 ppm)**

SDS Number : 0548

Date : December 11, 2025

Version : 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product Name** : Antimony Standard Solution 1000 mg/L (1000 ppm)  
**Synonyms** : -  
**CAS No.** : 10025-91-9  
**HS Code** : 2826.1910  
**Chemical Formula** : Sb (Matrix : SbCl<sub>3</sub> in HCl 2 M)  
**Molecular Weight** : 121.76 g/mol  
**Product Code** : I-9076  
**Brand** : Labotiq  
**1.2 Manufacturer** : Labotiq  
**Address** : Jl.Terapi Raya AD2-Bumi Menteng Asri Bogor, Jawa Barat Indonesia – 16111  
**Website** : [www.labotiq.net](http://www.labotiq.net)  
**Email** : [labotiq.id@gmail.com](mailto:labotiq.id@gmail.com)  
**For information** : Phone : (+62-251) 839110, 8311662, Fax : (+62-251) 83135710  
**Emergency number** : +6281316894650  
**1.3 Application** : Laboratory chemicals, Manufacture of substances, General Chemical reagent

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Corrosive to metals, (Category 1) H290: May be corrosive to metals.

For the full text of the H-Statements mentioned in this Section, see Section 16

**2.2 Label elements**

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H290

May be corrosive to metals.

Precautionary statement(s)

P234

Keep only in original packaging.

P390

Absorb spillage to prevent material damage.

Supplemental Hazard Statements

none

**Reduced Labelling (<= 125 ml)**

Pictogram

none

Signal Word

Warning

Hazard Statements

none

Precautionary Statements

none

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Supplemental Hazard Statements none

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**
**3.1 Substances**

Synonyms : Antimony Standard Solution 1000 mg/L (1000 ppm)

**3.2 Mixture**

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Hydrochloric Acid CAS-No. 7647-01-0 EC-No. 231-595-7 Index-No. 017-002-01-X Registration number 01-2119484862-27- XXXX	Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; H290, H314, H318, H335 Concentration limits: $\geq 0,1\%$ : Met. Corr. 1, H290; $\geq 25\%$ : Skin Corr. 1B, H314; $10 - < 25\%$ : Skin Irrit. 2, H315; $10 - < 25\%$ : Eye Irrit. 2, H319; $\geq 10\%$ : STOT SE 3, H335;	$\geq 5 - < 10\%$
Antimony trichloride CAS-No. 10025-91-9 EC-No. 233-047-2 Index-No. 051-001-00-8	Skin Corr. 1B; Eye Dam. 1; Aquatic Chronic 2; H314, H318, H411 Concentration limits: $\geq 5\%$ : STOT SE 3, H335;	$\geq 0,1 - < 1\%$

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance.

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**If inhaled**

After inhalation: fresh air.

**In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower

**In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

**If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Hydrogen chloride gas, Not combustible.

**5.3 Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

**5.4 Further information**

Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapours, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

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**6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralising material (e.g. Chemizorb® H<sup>+</sup>, Merck Art. No. 101595). Dispose of properly. Clean up affected area.

**6.4 Reference to other sections**

For disposal see section 13.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling****Advice on safe handling**

Observe label precautions.

**Hygiene measures**

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities****Storage conditions**

No metal or light-weight-metal containers. Tightly closed.  
Recommended storage temperature see product label.

**Storage class**

Storage class (TRGS 510): 12: Non Combustible Liquids

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Ingredients with workplace control parameters****8.2 Exposure controls****Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Personal protective equipment****Eye/face protection**

Safety glasses

**Skin protection**

Required

Full contact

Material: Nitrile rubber

Minimum layer thickness: 11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® L

Splash contact

Material: Nitrile rubber

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Minimum layer thickness: 11 mm  
 Break through time: 480 min  
 Material tested: KCL 741 Dermatril® L

**Body**

protective clothing

**Respiratory protection**

Recommended Filter type: filter ABEK

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Control of environmental exposure**

Do not let product enter drains.

## SECTION 9: Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

Appearance	Form: liquid
	Colour: colourless
Odour	slight
Odour Threshold	No data available
pH	ca.0 at 20 °C
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca.1,033 g/cm <sup>3</sup> at 20 °C
Relative density	No data available
Water solubility	at 20 °C soluble
Partition coefficient: octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	No data available

**9.2 Other safety information**

No data available

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No data available

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**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature) .

**10.3 Possibility of hazardous reactions**

Generates dangerous gases or fumes in contact with: Metals

Violent reactions possible with: The generally known reaction partners of water.

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Metals, metal alloys

**10.6 Hazardous decomposition products**

In the event of fire: see section 5

## SECTION 11: Toxicological information

**11.1 Information on toxicological effects****Acute toxicity**

Oral: No data available

Inhalation: No data available

Dermal: No data available

**Skin corrosion/irritation**

Remarks: Possible damages: slight irritation

**Serious eye damage/eye irritation**

Remarks: Possible damages: slight irritation

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

Endocrine disrupting properties

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Product:

Assessment :

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice.

**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

Harmful effect due to pH shift.

Hazard for drinking water supplies.

Discharge into the environment must be avoided.

No data available

Endocrine disrupting properties

Product:

Assessment :

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

No data available

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: 1789

IMDG: 1789

IATA: 1789

**14.2 UN proper shipping name**

ADR/RID: HYDROCHLORIC ACID



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IMDG: HYDROCHLORIC ACID

IATA: Hydrochloric acid

**14.3 Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

**14.4 Packaging group**

ADR/RID: II

IMDG: II

IATA: II

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user****Further information**

No data available

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Authorisations and/or restrictions on use****15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

**National Fire Protection Association (U.S.A.):**

Health: 3

Flammability: 0

Reactivity: 0

**Further information**

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Labotiq shall not be held liable for any damage resulting from handling or from contact with the above product.*

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