



## SAFETY DATA SHEET

90-05170-00 Acid Solution 40ml (Kit 5x40ml cod. 65-05171-00)

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In conformity to Regulation (EU) 2015/830

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 . Product identifier

Description: 90-05170-00 Acid Solution 40ml (Kit 5x40ml cod. 65-05171-00)  
REF: 90-05170-00

#### 1.2 . Relevant identified uses of the substance or mixture and uses advised against

In Vitro Diagnostic

Sectors of use:

Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Laboratory Chemicals

Uses advised against

Do not use for purposes other than those listed

#### 1.3 . Details of the supplier of the safety data sheet

AMS SpA

Sede Legale e Produzione Strumenti

Via E. Barsanti 17/A -- 00012 Guidonia (Roma) – ITALIA

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Produced by

AMS S.p.A.

Via E. Barsanti, 17/A

00012 Guidonia (RM )

#### 1.4 . Emergency telephone number

Centro Antiveneni Ospedale Niguarda (MI) - 02 66101029 24 ore su 24

### SECTION 2. Hazards identification

#### 2.1 . Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS07

Hazard Class and Category Code(s):

Skin Irrit. 2, Eye Irrit. 2

Hazard statement Code(s):

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

If brought into contact with eyes, the product causes significant irritations which may last for more than 24 hours, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema

#### 2.2 . Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS07 - Warning

Hazard statement Code(s):





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H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P337+P313 - If eye irritation persists: Get medical advice/attention.

### 2.3 . Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII  
No information on other hazards

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Irrilevant

### 3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
sulphuric acid 98%	6%	Met. Corr. 1, H290; Skin Corr. 1A, H314	016-020-00- 8	7664-93-9	231-639-5	
Water	94%			7732-18-5		

## SECTION 4. First aid measures

### 4.1 . Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product).:

Take contaminated clothing Immediately off.

Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product).:

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately

Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

**4.2 . Most important symptoms and effects, both acute and delayed** No data available.

### 4.3 . Indication of any immediate medical attention and special treatment needed



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If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

### SECTION 5. Firefighting measures

#### 5.1 . Extinguishing media

Advised extinguishing agents:

Water spray, CO<sub>2</sub>, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

#### 5.2 . Special hazards arising from the substance or mixture

No data available.

#### 5.3 . Advice for firefighters

Use protection for the breathing apparatus  
Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...) Keep containers cool with water spray

### SECTION 6. Accidental release measures

#### 6.1 . Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel :

Leave the area surrounding the spill or release. Do not smoke

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders :

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

#### 6.2 . Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.  
Discharge the remains in compliance with the regulations **6.3 . Methods and material for containment and cleaning up**

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information: None in particular.

#### 6.4 . Reference to other sections

Refer to paragraphs 8 and 13 for more information



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### SECTION 7. Handling and storage

#### 7.1 . Precautions for safe handling

Avoid contact and inhalation of vapors

Wear protective gloves/protective clothing/eye protection/face protection.

At work do not eat or drink.

See also paragraph 8 below.

#### 7.2 . Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and `direct exposure of sunlight.

#### 7.3 . Specific end use(s )

Public domain (administration, education, entertainment, services, craftsmen):

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

### 8.1. Control parameters

acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

- Substance: sulphuric acid 98%

DNEL

Systemic effects Long term Workers inhalation = 0,05 (mg/m3)

PNEC

Sweet water = 0,0025 (mg/l)

sediment Sweet water = 0,002 (mg/kg/sediment)

Sea water = 0,00025 (mg/l)

sediment Sea water = 0,002 (mg/kg/sediment)

intermittent emissions = 8,8 (mg/l)

#### 8.2 . Exposure controls



Appropriate engineering controls:

Public domain (administration, education, entertainment, services, craftsmen):

No specific monitoring foreseen Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

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\*\*\*\* Not translated \*\*\*\*



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### SECTION 9. Physical and chemical properties

#### 9.1 . Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid	
Odour	No data available	
Odour threshold	No data available	
pH	< 2 a 25°C	
Melting point/freezing point	Like water	
Initial boiling point and boiling range	Like water	
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	
Relative density	1.1	
Solubility	In water	

Physical and chemical properties	Value	Determination method
Water solubility	Fully miscible	
Partition coefficient: n-octanol/water	Not applicable	
Auto-ignition temperature	Not applicable	
Decomposition temperature	Not applicable	
Viscosity	No data available	
Explosive properties	Non-explosive	
Oxidising properties	No data available	

#### 9.2 . Other information

No data available.

### SECTION 10. Stability and reactivity

#### 10.1 . Reactivity

acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

#### 10.2 . Chemical stability



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No hazardous reaction when handled and stored according to provisions.

### 10.3 . Possibility of hazardous reactions

There are no hazardous reactions

### 10.4 . Conditions to avoid

Nothing to report

### 10.5 . Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents. It can generate toxic gases to contact with inorganic sulfide, strong reducing agents.

### 10.6 . Hazardous decomposition products

Does not decompose when used for intended uses.

## SECTION 11. Toxicological information

### 11.1 . Information on toxicological effects

ATE(mix) oral = ∞

ATE(mix) dermal = ∞

ATE(mix) inhal = ∞

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation: If brought into contact with the skin, the product causes significant inflammation with erythema, scabs, or edema.

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

(d) respiratory or skin sensitization: based on available data, the classification criteria are not met.

(e) germ cell mutagenicity: based on available data, the classification criteria are not met.

(f) carcinogenicity: based on available data, the classification criteria are not met.

(g) reproductive toxicity: based on available data, the classification criteria are not met.

(h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.  
(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

## SECTION 12. Ecological information

### 12.1 . Toxicity

acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

Use according to good working practices to avoid pollution into the environment.

### 12.2 . Persistence and

**degradability** acido solforico 98%

\*\*\*\* Not translated \*\*\*\*



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### 12.3 . Bioaccumulative

potential acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

### 12.4 . Mobility in soil

acido solforico 98%

\*\*\*\* Not translated \*\*\*\*

### 12.5 . Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

### 12.6 . Other adverse effects

No adverse effects

## SECTION 13. Disposal considerations

### 13.1 . Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

## SECTION 14. Transport information

### 14.1 . UN number (ADR, ICAO/IATA, IMO/IMDG )

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG ).

### 14.2 . UN proper shipping name

None

### 14.3 . Transport hazard class(es )

None

### 14.4 . Packing group

None



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### 14.5 . Environmental hazards

None

### 14.6 . Special precautions for user

No data available.

### 14.7 . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

## SECTION 15. Regulatory information

### 15.1 . Safety, health and environmental regulations/legislation specific for the substance or mixture

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

### 15.2 . Chemical safety assessment

No chemical safety assessment was carried out by the supplier

## SECTION 16. Other information

### 16.1 . Other information

Description of the hazard statements exposed to point 3

H290 = May be corrosive to metals.

H314 = Causes severe skin burns and eye damage.

Classification based on data of all mixture components

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

2010 regulation/453/EC

List of POISON CONTROL CENTRES (C.A.V) in Italy with phone number

In the list are given poison control centers that collaborate formally with the Ministry of health (Risoluzione CEE 90/C 329/03).

• Poison Control Centre Molinette Hospital in Turin 011 6637637 • Pavia poison control Center National Center for Toxicological Information Toxicology service Scientific Institute IRCCS Maugeri Foundation in Pavia Pavia 24444 0382 • Poison Center in Milan, Ospedale Niguarda Ca ' Granda Milan 02 66101029 • poison center of Bergamo U.F. Clinical Toxicology Ospedali Riuniti Bergamo 035 269469 • first aid, First Accepted, IRCCS Burlo Garofalo poison control center Trieste 040 3785373 • poison control Service Emergency Service Acceptance and observation, Scientific Institute IRCCS g. Gaslini, Genoa 010 5636245 • Poison Center Medical Toxicology Unit Hospital Careggi Florence 055 4277238 • Poison Center Institute of Anesthesiology and resuscitation Policlinico Gemelli Rome 06 3054343 • Poison Center Institute of Anesthesiology and resuscitation Policlinico Umberto I in Rome 06 49978000 • Naples Cardarelli Hospital Poison Control Center 7472870 5453333 081 081





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This data sheet cancels and replaces any previous edition.

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