



SAFETY DATA SHEET

90-03667-00 Cleaning Solution 30ml (Kit 5x30ml cod. 65-03669-00)

Rev. n. 2 of 07/01/2015

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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: 90-03667-00 Cleaning Solution 30ml (Kit 5x30ml cod. 65-03669-00)
REF: 90-03667-00

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

In Vitro Diagnostic
Public domain (administration, education, entertainment, services, craftsmen)[SU22]
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
Tel. + 39 0774 354441 Fax + 39 0774 578035
www.amsalliance.com info.it@amsalliance.com

Produzione Reagenti
Via G. Galilei 38 - 20096 Seggiano di Pioltello (MI) – ITALIA
Tel. + 39 02 9291891 Fax + 39 02 92918939
info.it@amsalliance.com

1.4. Emergency telephone number

Centro Antiveleni 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:

GHS05

Hazard Class and Category Code(s):

Skin Corr. 1A

Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.

Corrosive product: causes severe skin burns and eye damage.

2.2. Label elements

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

Pictogram, Signal Word Code(s):

GHS05 - Danger

Hazard statement Code(s):

H314 - Causes severe skin burns and eye damage.

Precautionary statements:

Prevention

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

Response

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains:

sodium hydroxide

2.3. Other hazards

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





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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
sodium hydroxide	> 1 <= 5%	Skin Corr. 1A, H314	011-002-00-6	1310-73-2	215-185-5	

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.

In case of contact with skin, wash immediately with ... (to be specified by the manufacturer).

Consult a physician immediately

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:

Drink water with egg white; do not give bicarbonate.

Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

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

No data available.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO2, 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...)



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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

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

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.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

idrossido di sodio

**** Not translated ****

8.2. Exposure controls

Appropriate engineering controls:

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

No specific monitoring foreseen





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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:

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

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Solution aqueuse incolore	
Odour	undefined	
Odour threshold	No data available	
pH	>14 at 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	1.03	
Solubility	in water	
Water solubility	Fully miscible	
Partition coefficient: n-octanol/water	irrelevant	
Auto-ignition temperature	irrelevant	
Decomposition temperature	irrelevant	
Viscosity	No data available	
Explosive properties	not explosive	
Oxidising properties	Fully miscible	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards



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10.2. Chemical stability

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 halogenated organic substances, elementary metals.

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 = 0,0 mg/kg

ATE(mix) dermal = 0,0 mg/kg

ATE(mix) inhal = 0,0 mg/l/4 h

(a) acute toxicity: not applicable

(b) skin corrosion/irritation Corrosive product: causes severe skin burns and eye damage.

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage.

(d) respiratory or skin sensitization: not applicable

(e) germ cell mutagenicity: not applicable

(f) carcinogenicity: not applicable

(g) reproductive toxicity: not applicable

(h) specific target organ toxicity (STOT) single exposure: not applicable

(i) specific target organ toxicity (STOT) repeated exposure not applicable

(j) aspiration hazard: not applicable

idrossido di sodio

**** Not translated ****

SECTION 12. Ecological information

12.1. Toxicity

idrossido di sodio

**** Not translated ****

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

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.



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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)

1719

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)

14.3. Transport hazard class(es)

Class : 8

Label : 8

Tunnel restriction code : E

Limited quantities : 5 L

EmS : F-A, S-B

14.4. Packing group

III

14.5. Environmental hazards

Product is not environmentally hazardous

Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement and the provisions A.D.R national regulations.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

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



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

No data available.

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 2.2. Label elements, 2.3. Other hazards, 4.3. Indication of any immediate medical attention and special treatment needed, 6.1. Personal precautions, protective equipment and emergency procedures, 8.2. Exposure controls, 14.1. UN number (ADR, ICAO/IATA, IMO/IMDG), 14.2. UN proper shipping name

Description of the hazard statements exposed to point 3

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

This data sheet cancels and replaces any previous edition.