

Arium Cleaning Set: Alkaline Cleaner (Solution 1), Acid Cleaner (Solution 2)

Version 1.0	Revision Date: 08/11/2016	MSDS Number: SAG-RG000006	Date of last issue: - Date of first issue: 08/11/2016
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SECTION 1. IDENTIFICATION

Product name : Arium Cleaning Set: Alkaline Cleaner (Solution 1), Acid Cleaner (Solution 2)

Product code : SAG-RG000006

Manufacturer or supplier's details

Company name of supplier :


Address :

E-mail address of person responsible for the SDS : Department CA-EHS: umweltschutz@sartorius.com

Emergency telephone number : Sartorius Lab Instruments Service

SECTION 2. HAZARDS IDENTIFICATION

GHS Label element

Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.
H335 May cause respiratory irritation.
H320 Causes eye irritation.

Precautionary statements : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
Prevention:
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration (%)
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139-89-9	Trinatrium-N-Hydroxyethyl-Ethylendiamin triacetate (HEDTA)	$\geq 10 - \leq 20$
77-92-9	Citric acid	$\geq 1 - \leq 10$
7664-38-2	Orthophosphoric acid	$\geq 1 - \leq 10$

SECTION 4. FIRST AID MEASURES

- If inhaled : Fresh Air. If disease continues, please contact a medical expert.
- In case of skin contact : Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- If swallowed : Do NOT induce vomiting. Call a physician immediately.
- Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Dry powder
Foam
Carbon dioxide (CO₂)
- Specific hazards during fire-fighting : Hazardous gas or vapour can develop in case of fire.
- Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : Do not contaminate water.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material and dispose of as hazardous waste.

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SECTION 7. HANDLING AND STORAGE

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Hand protection

Remarks : PVC or other plastic material gloves

Eye protection : Tightly fitting safety goggles

Skin and body protection : Lab coat

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : amber, brown

Odour : slight

pH : Acid Cleaner: pH 3; Alkaline Cleaner: pH 11

Density : ca. 1.2 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Attention: Acids and bases will react. Do not store the chemicals in one box!
No decomposition if stored and applied as directed.

Incompatible materials : Strong acids and oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Components:

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77-92-9:
Species: Rabbit

Serious eye damage/eye irritation**Components:**

77-92-9:
Species: Rabbit

Further information**Product:**

Remarks: The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects**Product:**

Additional ecological information : This product has no known ecotoxicological effects.

Components:

77-92-9:
Additional ecological information : Biodegradable substance.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : In accordance with local and national regulations.
Can be disposed as waste water, when in compliance with local regulations.

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SECTION 14. TRANSPORT INFORMATION

International Regulation

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

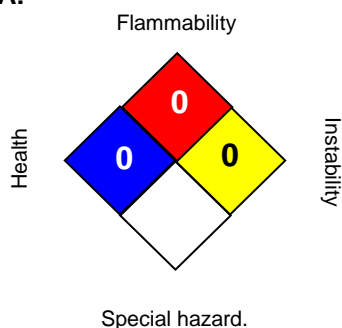
SECTION 15. REGULATORY INFORMATION

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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