

1. Identification of the substance/preparation and company

Trade name:

Aqua Screen[®] Wash Buffer 2

Company: Minerva Biolabs GmbH
Landhausring 7
D-12683

Telephone: +49-30 2000 4370

Telefax: +49-30 2000 4379

Poison emergency telephone no.: +49-30 2000 4370

Use of the substance/preparation
preparation buffer

2. Composition/information on ingredients

Chemical characterization: (preparation)
Liquid

Hazardous components
Void

3. Hazards identification

Hazard description:

Not applicable.

Information pertaining to particular dangers for man and environment:

Not applicable.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

WHMIS-ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

4. First aid measures

After inhalation

Move to fresh air. If symptoms persist, call a physician.

After contact with skin

Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.

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After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

After ingestion

Immediately call a physician.

5. Fire-fighting measures

Suitable extinguishing media

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special protective equipment for firefighters

Do not inhale explosion gases or combustion gases.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Methods for cleaning up/taking up

Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers.

7. Handling and storage

7.1 Handling

Recommendation on safe handling

Keep receptacles tightly sealed.

Recommendation on protection against fire and explosion

No special precautions required.

7.2 Storage

Requirements for storage rooms and vessels

No special requirements.

Recommendation on storage compatibility

Not required.

Additional recommendations about storage conditions

None.

8. Exposure controls/personal protection

Additional information about design of technical systems

No further data; see item 7.

Components 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.

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment

Not required.

Protection of hands

Protective gloves.

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.

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

Tightly sealed goggles.

9. Physical and chemical properties

9.1 Appearance

Form: Fluid

Color: Colorless.

Odour: Characteristic

Changes in the physical state

Melting point: n.d. °C

Boiling point: n.d. °C

Flash point: n.a. °C

Flammability

solid: n.a. °C

gas: n.a. °C

Explosive properties

None.

Density at 20°C (68°F) 1.008 g/cm³

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Water solubility fully miscible

pH-value at 20°C (68°F) 8.0

9.3 Other information

Autoignition temperature

solid: n.a.

gas: n.a.

10. Stability and reactivity**Thermal decomposition / conditions to be avoided**

No decomposition if used according to specifications.

Dangerous reactions

Reacts with acids, alkalis and oxidizing agents.

Dangerous products of decomposition

Danger of toxic pyrolysis products.

11. Toxicological information**Acute toxicity****Primary irritant effect:**

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitising effect

No known sensitizing effect.

Additional toxicological information

The product shows the following dangers according to internally approved calculation methods for preparations:

12. Ecological information**General Notes**

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

Do not allow product to reach ground water, water course or sewage system.

13. Recommendations on disposal**Product****Recommendation**

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

Contaminated packaging

Recommendation Disposal must be made according to official regulations.

14. Transport information**DOT regulations**

Hazard class -

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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 -

15. Regulatory information

Sara

Section 355 (extremely hazardous substances)

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings)

None of the ingredients is listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed.

Proposition 65

Chemicals known to cause cancer

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity

None of the ingredients is listed.

Carcinogeny categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

NIOSH-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Product related hazard information

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

National regulations

Water hazard class

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

16. Other information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical leaflet or in the processing instructions.



Safety Data Sheet

according to ISO/DIS 11014

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The receiver of our product is singularly responsible for adhering to existing laws and regulations.

n.a. = not applicable
n.d. = not determined
