



Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)

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

1.1 Product identifiers

Product name	AmphaFluid 4 (AF4)
Product number	21.004
Brand	Amphasys
REACH No	Mixture - A registration number is not available for this substance as the substance, or its uses are exempted from registration. Details to the components see chapter 3.

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

Identified uses Laboratory chemicals, for research use only

1.3 Details of the supplier of the safety data sheet:

Supplier	Amphasys AG Platz 4 CH-6039 Root D4
Telephone	+41 41 541 9120
E-mail	info@amphasys.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This product is not hazardous according to EEC directives 67/548/EEC and 1999/45/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS] – void
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

None
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.

SECTION 3. Composition/information on ingredients

3.1 Mixtures

No components need to be disclosed according to the applicable regulations.
Aqueous solution containing Cx(H₂O)_y.
Dangerous components: Void

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	No known effect based on information supplied
After inhalation	Supply fresh air; if there is any trouble seek medical help.
After skin contact	Rinse with water.
After eye contact	Flush eyes with water as a precaution
After swallowing	Never give anything by mouth to an unconscious person. Rinse mouth with water.

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:

Use fire extinguishing methods suitable to surrounding conditions. CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental precautions:

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

No special requirements. Keep container tightly closed. Recommended storage temperature 4 °C. Store away from foodstuffs.

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored.

8.2 Exposure controls

Appropriate engineering controls practice.	Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment Eye/face protection	Avoid contact with the eyes and skin. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Impervious clothing,
Environmental exposure controls	No special environmental precautions required.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance	Form: liquid Colour: transparent
Odour	Odourless
Odour threshold	No information available.
pH-value	7.0 +/-0.1

Change in condition

Melting point/Melting range	No information available.
Boiling point/Boiling range	100 °C
Flash point	No information available
Flammability (solid, gas)	No information available
Ignition temperature	No information available
Decomposition temperature	No information available
Self-igniting	No information available
Danger of explosion	Product does not present an explosion hazard.
Explosion limits:	
Lower	No information available.
Upper	No information available.
Oxidizing properties	No information available.
Vapour pressure	No information available
Density	No information available.
Relative density	No Information available.
Vapour density	No information available
Evaporation rate	No information available
Solubility in water	Fully miscible.
Partition coefficient (n-octanol/water)	
	No information available
Viscosity	No information available
Dynamic	No information available.
Kinematic	No information available.

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

- 10.2 Chemical stability**
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**
No data available
- 10.4 Conditions to avoid**
No data available
- 10.5 Incompatible materials**
Strong oxidizing agents
- 10.6 Hazardous decomposition products**
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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 toxicological information

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Further information:

The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological information

12.1 Toxicity:

Ecotoxicity	Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging: Recommendation

Disposal according to official regulations.

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

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

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

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

International Chemical Weapons Convention (CWC)

Neither banned nor restricted

Schedules of Toxic Chemicals and Precursors

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Neither banned nor restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorization (Annex XIV)

Neither banned nor restricted

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

Neither banned nor restricted

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.
