



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

SECTION 3. Composition/information on ingredients

3.1 Mixtures

No components need to be disclosed according to the applicable regulations.
Aqueous solution.
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	Handle in accordance with good industrial hygiene and safety practice.
Personal protective equipment	Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work. 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) Schedules of Toxic Chemicals and Precursors Neither banned nor restricted

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.