



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

Print date: 01.02.2016  
Version: 1.2 / EN ; Revision date: 28.10.2015

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

#### 1.1 Product identifiers

|                |   |
|----------------|---|
| Product name   | AmphaFluid 3 (AF3)  |
| Product number | 21.003  |
| 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<br>Platz 4<br>CH-6039 Root D4                |
| Telephone | +41 41 541 9120  |
| E-mail    | <a href="mailto:info@amphasys.com">info@amphasys.com</a> |

### 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. CO<sub>2</sub>, 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<br>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           |                           |          |
| <b>14.3</b> | <b>Transport hazard class(es)</b>   |                           |          |
|             | ADR/RID: -                          | IMDG: -                   | IATA: -  |
| <b>14.4</b> | <b>Packaging group</b>              |                           |          |
|             | ADR/RID: -                          | IMDG: -                   | IATA: -  |
| <b>14.5</b> | <b>Environmental hazards</b>        |                           |          |
|             | ADR/RID: no                         | IMDG Marine pollutant: no | IATA: no |
| <b>14.6</b> | <b>Special precautions for user</b> |                           |          |
|             | 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.