

# SAFETY DATA SHEET

## DOPPLER FLUID

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

<b>Product name</b>	EU-DFS-BMF-ver. 1.2
<b>Part No.</b>	D-fluid, BMF
<b>In-house No.</b>	Fant-04
<b>Applications</b>	Chemical for research and analysis.
<b>Supplier</b>	Danish Phantom Design Græse Strandvej 8 3600 Frederikssund Denmark Tel: +45 46 73 04 63 e-mail: fantom@fantom.dk

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol R-phrases
Glycerol		8043-29-6	< 15%	C3H5(OH)3
benzalkoniumchloride		85409-22-9	~1 %	C ,N R-21/22, 34, 50
Orgasol			10%	polyamid-12
Dextran		9004-67-5	<2%	Methyl cellulose

See section 16 for explanations to R-phrases

**Composition comments** Aqueous solution of inorganic and organic compounds.

### 3. HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 4. FIRST AID MEASURES

<b>Inhalation</b>	Fresh air.
<b>Ingestion</b>	Rinse mouth thoroughly. Drink plenty of water. Contact physician if feeling unwell.
<b>Skin</b>	Rinse with water.
<b>Eyes</b>	Immediately rinse with water. Contact physician if irritation persists.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use extinguishing media appropriate for surrounding fire.
<b>Special fire fighting procedures</b>	Move container from fire area if it can be done without risk.
<b>Specific hazards</b>	Non-flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Spill cleanup methods** Avoid contact with skin or inhalation of spillage, dust or vapour. Do not contaminate water sources or sewer. Take up with absorbent material.

## 7. HANDLING AND STORAGE

**Usage precautions** Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

**Storage precautions** Keep in cool, dry, ventilated storage and closed containers.

**Storage criteria** Chemical storage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation** Provide adequate general and local exhaust ventilation.

**Respirators** If ventilation is insufficient, suitable respiratory protection must be provided.

**Protective gloves** Hand protection not required.

**Eye protection** If risk of splashing, wear safety goggles or face shield.

**Other Protection** Wear appropriate clothing to prevent reasonably probable skin contact.

**Hygienic work practices** Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Fluid.

**Colour** Colourless.

**Solubility description** Miscible with water.

## 10. STABILITY AND REACTIVITY

**Stability** Normally stable.

**Materials to avoid** Unspecified.

## 11. TOXICOLOGICAL INFORMATION

**Health warnings** Slightly irritating.

**Medical symptoms** No specific symptoms noted.

## 12. ECOLOGICAL INFORMATION

**Degradability** Quantitative environmental data on this product are not available.

### 13. DISPOSAL CONSIDERATIONS

**Disposal methods** Confirm disposal procedures with environmental engineer and local regulations.

### 14. TRANSPORT INFORMATION

**General** Not subject to transport regulations.

### 15. REGULATORY INFORMATION

**Risk phrases** n/a.

**Safety phrases** n/a.

**EU directives** Dangerous Substance Directive 67\548. Directive 2001/58 Directive 1999/45

### 16. OTHER INFORMATION

**Explanations to R-phrases in section 2** R-21/22 Harmful in contact with skin and if swallowed. R-34 Causes burns.R-50 Very toxic to aquatic organisms.

**•Information revised since the previous version of the SDS**

**Revision comments** 1. edition.

**Issued by** Knud-Erik Fredfeldt

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