

## MATERIAL SAFETY DATA SHEET

*In compliance with 91/155/EEC and (EC) 1272/2008 (CLP)*

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY		
<b>PRODUCT NAME:</b>	<b>M30 CytoDEATH™ Fluorescein</b>	
<b>PRODUCT NUMBER:</b>	<b>10800</b>	
<b>MANUFACTURER:</b>	<b>PEVIVA AB</b> Strömkarlsvägen 82 SE-16762 Bromma Sweden	Phone +46 (0)8 122 053 00 Fax: +46 (0)8 730 16 10 Email: <a href="mailto:info@peviva.se">info@peviva.se</a> Website: <a href="http://www.peviva.se">www.peviva.se</a>

2. COMPOSITION/INFORMATION ON INGREDIENTS					
Composition	Hazard*	Cas number	Concentration	Classification (pure form) according to regulations:	
				European Directive 91/155/EEC	(EC) 1272/2008 (CLP)
Bovine Serum Albumin (BSA)	Non hazardous	9048-46-8	0.1 %	N/A	N/A
Sodium Azide	Non hazardous	26628-22-8	0.09 %	T+; R28; R32 N; R50/53	H300 H400 H410
M30 Monoclonal antibody	Non hazardous	N/A	10 µg/200 µL	N/A	N/A
6-(fluorescein-5-(and-6)-carboxamido)hexanoic acid, succinimidyl ester (5(6)-SFX) (mixed isomers)	Not determined	N/A	N/A	N/A	N/A

**Risk phrases:**

R28: Very toxic if swallowed

R32: Contact with acids liberates very toxic gas.

R35: Cause severe burns.

R50/53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

H300: Fatal if swallowed

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

\* See section 3

3. HAZARDS IDENTIFICATION
<p><b>Hazard description:</b></p> <p>This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.</p> <p>Material of animal origin: Should be considered as potentially infectious.</p> <p>Sodium Azide: No hazardous when concentration &lt; 0.1%.</p> <p>6-(fluorescein-5-(and-6)-carboxamido)hexanoic acid, succinimidyl ester (5(6)-SFX) (mixed isomers), C<sub>31</sub>H<sub>26</sub>N<sub>2</sub>O<sub>10</sub>: The complete properties have not been investigated; however, similar compounds are known to be chemically reactive with proteins and other biochemicals and should be treated as potentially hazardous.</p>

4. FIRST AID MEASURES
<p><b>Inhalation:</b></p> <p>If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice if needed.</p>
<p><b>Ingestion:</b></p> <p>Flush mouth with plenty of water (do not swallow). Never give anything to drink to an unconscious person. Seek medical advice if needed.</p>
<p><b>Eye contact:</b></p> <p>Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses if any. Seek medical advice if needed.</p>

<b>Skin contact:</b>	Avoid contact with skin. After contact with skin, wash skin immediately with plenty of water. Seek medical advice if skin becomes irritated.
<b>Clothes:</b>	Take of immediately all contaminated clothing.
<b>Others:</b>	In case of accident or if you feel unwell, seek medical advice immediately. Show the label where possible.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguish media:</b>	Wear fire extinguishing media appropriate for site conditions, preferably water spray, carbon dioxide, powder or foam.
<b>Special exposure hazards:</b>	No fire and explosion hazards. No generation of hazardous or toxic gases in dangerous quantities.
<b>Protective equipment:</b>	Self-contained breathing apparatus and protective clothing for fire fighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Use personal protective equipment. Evacuate personnel to safe areas. See section 7 and 8.
<b>Environmental precautions:</b>	Prevent soil and water pollution. Dispose of according to section 13.
<b>Methods for cleaning up:</b>	Absorb spills with absorbent material, dispose of according to section 13.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Protect from contamination. Wear personal protective equipment.
<b>Storage:</b>	Store in well closed original container at 2 – 8 °C . Do not freeze. Protect from light.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Respiratory protection:</b>	Respiratory protection is not required under normal use of this product.
<b>Eye protection:</b>	Wear suitable eye/face protection.
<b>Hand protection:</b>	Wear suitable gloves.
<b>Skin protection:</b>	Wear suitable protective clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless
<b>pH:</b>	N/A
<b>Solubility in water</b>	Soluble

#### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Until expiry date stated on label if stored under specified conditions.
<b>Reactivity/Hazardous decomposition products:</b>	None.
<b>Conditions/materials to avoid:</b>	None.

### 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	No additional data is available.
<b>Skin:</b>	No additional data is available.
<b>Oral:</b>	No additional data is available.
<b>Eye:</b>	No additional data is available.
<b>Mutagenic effects:</b>	No data is available on the product itself.
<b>Reproductive toxicity:</b>	No data is available on the product itself.
<b>Carcinogenic effects:</b>	No data is available on the product itself.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity :</b>	This product has no known eco-toxicological effects.
<b>Aquatic toxicity effects:</b>	The product itself has no known effects to the aquatic environment, but the product contains very small amounts (0.09 %) of a substance very toxic to the aquatic organisms and may cause long-term effects to the aquatic environment.
<b>Bioaccumulation:</b>	No data available.
<b>Mobility:</b>	No data available.
<b>Degradation:</b>	No data available.

### 13. DISPOSAL CONSIDERATIONS

Waste disposal must be in accordance with appropriate Federal, State and local environmental regulations.

### 14. TRANSPORT INFORMATION

No subject for transport regulations (RID/ADR, IMDG, IATA).

### 15. REGULATORY INFORMATION AND CONSIDERATIONS

The product does not contain a hazardous ingredient in an amount that requires identification and labelling according to EC directives.

### 16. OTHER INFORMATION

**Recommended use:**

For research use only.

All material from animal origin has been collected from healthy animals.

The information provided in this MSDS is to information and belief at the date of the publication the best of our knowledge.

PEVIVA AB shall not be held liable for any damage resulting from handling or contact with this product.

See Instruction for use for information and intended use of this product.

N/A = Not applicable or no information.

Revision 2009-12-17: 6-(fluorescein-5-(and-6)-carboxamido)hexanoic acid, succinimidyl ester (5(6)-SFX) (mixed isomers) included.

Classification according to (EC) 1272/2008 (CLP) included.