Functional Fibrinogen
Safety Data Sheet
Revision date: 24/May/2016

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

1.1. Product identifier
- Product form: Mixture
- Product Name: Functional Fibrinogen

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
- Use of the substance/mixture: Use as reagent with blood samples to be tested on the TEG® analyzer

1.2.2. Uses advised against
- No additional information available

1.3. Details of the supplier of the safety data sheet
- Haemonetics
- 400 Wood Road
- Braintree, MA 02184

1.4. Emergency telephone number
- Emergency number: (800) 438-2834

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
- Classification according to Regulation (EC) No. 1272/2008 [CLP]
- Not classified

Adverse physicochemical, human health and environmental effects
- No additional information available

2.2. Label elements
- Labelling according to Regulation (EC) No. 1272/2008 [CLP]
- No labelling applicable

2.3. Other hazards
- Other hazards not contributing to the classification:
  - Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance
- Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
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<tbody>
<tr>
<td>Tissue Factor</td>
<td>(CAS No) Not available</td>
<td>70 - 90</td>
<td>Not classified</td>
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<tr>
<td>Abciximab</td>
<td>(CAS No) 143653-53-6</td>
<td>10 - 30</td>
<td>Not classified</td>
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</table>

Full text of H-statements: see section 16

*Abciximab is a monoclonal antibody designed to inhibit platelet aggregation. It contains a protein of biological origin, a chimeric (mouse and human) Fab fragment of a monoclonal immunoglobulin derived from a well-characterized cell-line, devoid of any pathogens, viruses or host proteins.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid measures after eye contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation : Prolonged exposure may cause irritation.
Symptoms/injuries after skin contact : Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.
Symptoms/injuries after eye contact : May cause slight irritation to eyes.
Symptoms/injuries after ingestion : Ingestion may cause adverse effects.
Chronic symptoms : None expected under normal conditions of use. Exposure may produce an allergic reaction.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, dry chemical, foam, carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : Product is not explosive.
Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

Precautionary measures fire : Exercise caution when fighting any chemical fire.
Firefighting instructions : Use water spray or fog for cooling exposed containers.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE).
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.
Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shovelling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible products: Strong acids, strong bases, strong oxidizers.

Incompatible materials: Sources of ignition. Direct sunlight.

Storage temperature: 2 - 8 °C

7.3. Specific end use(s)
Use as reagent with blood samples to be tested on the TEG® analyzer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available.

8.2. Exposure controls
Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment: Gloves. Protective clothing. Safety glasses.

Materials for protective clothing: Chemically resistant materials and fabrics.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Solid

Colour: Lyophilized white powder in clear glass vial with rubber stopper and white seal. Vial has a turquoise and white label with lot number & expiration date.

Odour: None

Odour threshold: No data available

pH: No data available

Evaporation rate: No data available

Melting point: No data available

Freezing point: No data available

Boiling point: No data available

Flash point: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available
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Flammability (solid, gas) : No data available
Vapour pressure  : No data available
Relative vapour density at 20 °C : No data available
Solubility  : Water: Soluble
Partition coefficient: n-octanol/water : No data available
Viscosity : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials
Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified
Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/Injuries After Inhalation : Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact : Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.
Symptoms/Injuries After Eye Contact : May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.
Chronic Symptoms : None expected under normal conditions of use. Exposure may produce an allergic reaction.
Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : Not classified.

12.2. Persistence and degradability

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<thead>
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<tbody>
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<td>Persistence and degradability</td>
<td>Not established.</td>
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12.3. Bioaccumulative potential

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional information : Refer to local statutory requirements and the Biohazardous Waste Disposal Guidelines for proper disposal instructions.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
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<tbody>
<tr>
<td>14.1. UN number</td>
<td></td>
<td></td>
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</tbody>
</table>
Not regulated for transport

| 14.2. UN proper shipping name |  |  |  |  |
Not applicable

| 14.3. Transport hazard class(es) |  |  |  |  |
Not applicable

| 14.4. Packing group |  |  |  |  |
Not applicable

| 14.5. Environmental hazards |  |  |  |  |
Dangerous for the environment : No
Marine pollutant : No

| 14.6. Special precautions for user |  |  |  |  |
No additional information available

| 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code |  |  |  |  |
Not applicable
SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 24/May/2016

EU GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.