

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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GENEFLOC GPF

Revision 7

Revision date 2012-11-26

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

1.1. Product identifier

| | |
|--------------|--------------|
| Product name | GENEFLOC GPF |
|--------------|--------------|

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|-------------|----------------------------|
| Description | Water treatment chemicals. |
|-------------|----------------------------|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------|---|
| Company | Genesys International Limited |
| Address | 3A Aston Way, Midpoint 18, Middlewich, Cheshire, CW10 0HS |
| Web | www.genesysro.com |
| Telephone | +44 1606 837 605 |
| Fax | +44 1606 837 558 |
| Email | factory@genesysro.com |

1.4. Emergency telephone number

| | |
|----------------------------|-----------------|
| Emergency telephone number | +44 1606 837605 |
|----------------------------|-----------------|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------|-----------------------|
| Main hazards | No Significant Hazard |
|--------------|-----------------------|

2.2. Label elements

| | |
|----------------|--|
| Risk phrases | No Significant Hazard. |
| Safety phrases | S24/25 - Avoid contact with skin and eyes. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. |

2.3. Other hazards

| | |
|---------------|--------------------|
| Other hazards | No data available. |
|---------------|--------------------|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|--|-----------|------------|--------|---------------------------|--------------|----------------|
| Copolymer of epichlorhydrine and dimethylamine | | 25988-97-0 | | | 10 - 20% | R52/53 |

SECTION 4: First aid measures

4.1. Description of first aid measures

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4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. |
| Skin contact | Wash off immediately with plenty of soap and water. Remove contaminated clothing. |
| Ingestion | Rinse mouth thoroughly. DO NOT INDUCE VOMITING. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------|---|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | May cause irritation to eyes. |
| Skin contact | May cause irritation to skin. |
| Ingestion | May cause irritation to mucous membranes. |

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

| | |
|--------------|---|
| Inhalation | Seek medical attention if irritation or symptoms persist. |
| Eye contact | Seek medical attention if irritation or symptoms persist. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion | Seek medical attention if irritation or symptoms persist. |

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | |
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| | Use extinguishing media appropriate to the surrounding fire conditions. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
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| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|--|--|
| | Ensure adequate ventilation of the working area. |
|--|--|

6.2. Environmental precautions

| | |
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| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | Surfaces contaminated with the product will become slippery. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|--|

6.4. Reference to other sections

| | |
|--|--|
| | See section 2,8,12,13 for further information. |
|--|--|

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

| | |
|--|--|
| | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|--|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|--|
| | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. |
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7.3. Specific end use(s)

| | |
|--|-------------|
| | Flocculant. |
|--|-------------|

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**


| | |
|--|--------------------|
| | No data available. |
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8.2. Exposure controls

| | |
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| |  |
| 8.2.1. Appropriate engineering controls | Ensure adequate ventilation of the working area. |
| 8.2.2. Individual protection measures | Wear protective clothing. |
| Eye / face protection | In case of splashing, wear:.. Approved safety goggles. |
| Skin protection - Handprotection | Chemical resistant gloves (PVC). |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--------------------------|---------------------------------|
| State | Liquid |
| Colour | Colourless |
| Odour | Mild |
| pH | 5 - 7 |
| Melting point | Not applicable. |
| Freezing Point | Not determined |
| Boiling point | Not determined |
| Flash point | Not applicable. |
| Evaporation rate | Not determined |
| Flammability limits | Not applicable. |
| Vapour Flammability | Not applicable. |
| Vapour pressure | Not applicable. |
| Vapour density | Not applicable. |
| Relative density | 1.03 - 1.05 (Water = 1 @ 20 °C) |
| Fat Solubility | Not determined |
| Partition coefficient | Not determined |
| Autoignition temperature | Not applicable. |
| Viscosity | Not determined |
| Explosive | Not applicable. |
| Oxidising | Not applicable. |
| Solubility | Miscible in water |

9.2. Other information

| | |
|----------------------------------|-----------------|
| Conductivity | Not determined |
| Surface tension | Not determined |
| Gas group | Not applicable. |
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|-------|
| | None. |
|--|-------|

10.2. Chemical stability

| | |
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| | Stable under normal conditions. |
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10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Not relevant.

10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Will not decompose if stored and used as recommended.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

No data is available on this product.

11.1.4. Toxicological Information

Copolymer of epichlorohydrine and dimethylamine

Oral Rat LD50: 2000 mg/kg

SECTION 12: Ecological information**12.1. Toxicity**

Copolymer of epichlorohydrine and dimethylamine

Daphnia EC50/48h: 10.000 mg/l

Fish LC50/96h: 10.000 mg/l

No data is available on this product.

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

12.4. Mobility in soil

Soluble in water.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

Further information

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

SECTION 14: Transport information**ADR/RID**

The product is not classified as dangerous for carriage.

IMDG

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| | |
|----------------------------|--|
| IMDG | |
| | The product is not classified as dangerous for carriage. |
| IATA | |
| | The product is not classified as dangerous for carriage. |
| Further information | |
| | The product is not classified as dangerous for carriage. |

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| | |
|--------------------|--|
| Regulations | <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> |
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15.2. Chemical safety assessment

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 16: Other information**Other information**

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|-----------------|--|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.</p> <p>6 - 6.3. Methods and material for containment and cleaning up.</p> <p>7 - 7.3. Specific end use(s).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Odour).</p> <p>9 - 9.1. Information on basic physical and chemical properties (PH).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Boiling point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Melting point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Flammability limits).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Explosive).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Oxidising).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Relative density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Viscosity).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Vapour density).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Freezing Point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Solubility).</p> <p>9 - 9.2. Other information (Conductivity).</p> <p>9 - 9.2. Other information (Partition coefficient).</p> <p>9 - 9.2. Other information (Gas group).</p> <p>9 - 9.2. Other information (Surface tension).</p> <p>9 - 9.2. Other information (Benzene Content).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Lead content).</p> <p>10 - 10.5. Incompatible materials.</p> |
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Other information

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|--|---|
| | 11 - 11.1.4. Toxicological Information. 11 - 11.1. Information on toxicological effects. 12 - 12.1. Toxicity. 12 - 12.2. Persistence and degradability. 12 - 12.3. Bioaccumulative potential. 15 - Safety phrases. 16 - Maximum content of VOC. |
| Text of risk phrases in Section 3 | R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Further information

| | |
|--|--|
| | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--|