

SAFETY DATA SHEET

ClearFlo NP1820

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

- Commercial Product name: **CLEARFLO NP1820**
- Type of product: Mixture.

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

- Use of substance/preparation: Processing aid for industrial applications.
- Uses advised against: None.

1.3 Details of the supplier of the safety data sheet:

Supplier: GPC CLEAR SOLUTIONS LIMITED
Unit 57
Riverside Estate
Sir Thomas Longley Road
Medway City Estate
Rochester
Kent
ME2 4DP
United Kingdom

Telephone Number: +44 (0) 1634 326920

Mobile: +44 (0) 7787564967

Email: sales@gpcclearsolutions.co.uk

1.4 Emergency Telephone Number (Out of office hours only):

GPC Clear Solution Ltd (Office hours only): +44 (0) 7787 564 967

National Poison Information Service: NHS Direct: 0845 4647 or 111 (24/24, 7/7)
Scotland: NHS 24-08454 24 24 24 (24/24, 7/7)

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2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

- Classification according to Regulation EC 1272/2008 (CLP): Not classified.

2.2 Labelling elements:

Labelling according to Regulation (EC) 1272/2008:

- Hazard pictogram(s): None.
- Signal word: None.
- Hazard statement(s): None.
- Precautionary statement(s): None.
- Additional elements: None.

2.3 Other hazards:

Aqueous solutions or powders that become wet render surfaces extremely slippery.

- PBT and vPvB assessment: Does not fulfil the criteria according to Annex XIII of REACH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable, this product is not a substance.

3.2 Mixtures:

- Hazardous components: Contains no reportable hazardous substances.

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4. FIRST AID MEASURES

4.1 Description of first aid measures

- **Inhalation:** Move to fresh air. No hazards which require special first aid measures.
- **Skin contact:** Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.
- **Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of irritation, consult a physician.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. No hazards which require special first aid measures.

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

None.

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

None reasonably foreseeable.

- **Other information:** Aqueous solutions or powders that become wet render surfaces extremely slippery.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- **Suitable extinguishing media:** Use water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide.
- **Unsuitable extinguishing media:** None.

5.2 Special hazards arising from substance or mixture:

Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

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5.3 Advice for firefighters:

- **Protective measures:** In the event of fire, wear self-contained breathing apparatus.
- **Other information:** Aqueous solutions or powders that become wet render surfaces extremely slippery.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

- **Personal precautions:** Aqueous solutions or powders that become wet render surfaces extremely slippery.
- **Protective equipment:** Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).
- **Emergency procedures:** Keep people away from spill/leak.

6.2 Environmental precautions: As with all chemical products, do not flush into surface water.

6.3 Methods and material for containment and cleaning up

- **Small spills:** Do not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.
- **Large spills:** Do not flush with water. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal. After cleaning, flush away traces with water.
- **Residues:** Flush away with large quantities of water.

6.4 Reference to other sections: SECTION 7: Handling and storage; SECTION 8: Exposure controls/personal protection; SECTION 9: Physical and chemical properties; SECTION 13: Disposal considerations.

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7. HANDLING AND STORAGE

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| 7.1 | Precautions for safe handling: | Aqueous solutions or powders that become wet render surfaces extremely slippery. Use personal protective equipment. |
| 7.2 | Conditions for safe storage, including any incompatibilities: | Keep in a dry place. Keep container closed when not in use. Incompatible with oxidizing agents. |
| 7.3 | Specific end use(s): | None. |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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|------------|--|--|
| 8.1 | Control parameters | |
| | - National occupational exposure limits: | None. |
| | - Derived No and Minimum Effect Levels (DNELs/DMELs): | None known. |
| 8.2 | Exposure controls | |
| | - Appropriate engineering controls: | Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts. |
| | - Individual protection measures, such as personal protective equipment | |
| | a) Eye/face protection: | Safety glasses with side-shields. |
| | b) Skin protection: | Work clothes protecting arms, legs and body. |
| | i) Hand protection: | PVC or other plastic material gloves. |
| | c) Respiratory protection: | No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m ³ . |

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| d) Additional advice: | Handle in accordance with good industrial hygiene and safety practice. |
| - Environmental exposure controls: | Do not allow uncontrolled discharge of product into the environment. Do not flush into surface water. |

9. PHYSICAL AND CHEMICAL PROPERTIES
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9.1 Information on basic physical and chemical properties

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|--|---|
| - Appearance: | Granular solid, White. |
| - Odour: | None. |
| - Odour Threshold: | Not applicable. |
| - pH: | 5 – 9 @ 5 g/L |
| - Melting point/freezing point: | > 150°C |
| - Initial boiling point and boiling range: | Not applicable. |
| - Flash point: | Not applicable. |
| - Evaporation rate: | Not applicable. |
| - Flammability (solid, gas): | No data available. |
| - Upper/lower flammability or explosive limits: | Not expected to create explosive atmospheres. |
| - Vapour pressure: | Not applicable. |
| - Vapour density: | Not applicable. |
| - Relative density: | 0.6 – 0.9 |
| - Solubility (ies): | Soluble in water. |

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- **Partition coefficient:** -2
- **Autoignition temperature:** Does not self-ignite (based on the chemical structure)
- **Decomposition temperature:** > 150°C
- **Viscosity:** See Technical Bulletin.
- **Explosive properties:** Kst = 0
Non-flammable to ignition sources of less than 2.5 kJ.
- **Oxidizing properties:** Not expected to be oxidising based on the chemical structure.

9.2 **Other information:** None.

10. STABILITY AND REACTIVITY

- 10.1 **Reactivity:** None known.
- 10.2 **Chemical stability:** Stable under normal conditions.
- 10.3 **Possibility of hazardous reactions:** Oxidizing agents may cause exothermic reactions.
- 10.4 **Conditions to avoid:** Not known.
- 10.5 **Incompatible materials:** Incompatible with oxidizing agents.
- 10.6 **Hazardous decomposition products:** Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x), hydrogen cyanide (hydrocyanic acid).

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on the product as supplied:

- **Acute oral toxicity:** LD50/oral/rat > 5000 mg/kg
- **Acute dermal toxicity:** LD50/dermal/rat > 5000 mg/kg
- **Acute inhalation toxicity:** The product is not expected to be toxic by inhalation.
- **Skin corrosion/irritation:** Not irritating.
- **Serious eye damage/eye irritation:** Not irritating.
- **Respiratory/skin sensitisation:** Not sensitizing.
- **Mutagenicity:** Not mutagenic.
- **Carcinogenicity:** Not carcinogenic.
- **Reproductive toxicity:** Not toxic for reproduction.
- **STOT – single exposure:** No known effects.
- **STOT – repeated exposure:** No known effects.
- **Aspiration hazard:** No hazards resulting from the material as supplied.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Information on the product as supplied

- **Acute toxicity to fish;** LC50/Danio rerio/96 hours > 100 mg/L (OECD 203)
LC50/Oncorhynchus mykiss/96 hours > 100 mg/L (OECD 203)

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- **Acute toxicity to invertebrates:** EC50/Daphnia magna/48 hours > 100 mg/L (OECD 202)
- **Acute toxicity to algae:** IC50/Scenedesmus subspicatus/72 hours > 100 mg/L (OECD 201)
- **Chronic toxicity to fish:** No data available.
- **Chronic toxicity to invertebrates:** No data available.
- **Toxicity to microorganisms:** No data available.
- **Toxicity to microorganisms:** No known effects.
- **Sediment toxicity:** No data available.

12.2 Persistence and degradability

Information on the product as supplied

- **Degradation:** Not readily biodegradable.
- **Hydrolysis:** Does not hydrolyse.
- **Photolysis:** No data available.

12.3 Bioaccumulative potential

- **Information on the product as supplied:** Not bioaccumulating.
- **Partition co-efficient (Log Pow):** -2
- **Bioconcentration factor (BCF):** ~0

12.4 Mobility in soil

- **Information on the product as supplied:** None.

12.5 Results of PBT and vPvB assessment

- **PBT assessment:** Does not fulfil the criteria according to Annex XIII of REACH.
- **vPvB assessment:** Does not fulfil the criterial according to Annex XIII of REACH.

- 12.6 **Other adverse effects:** None known.

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13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

- **Waste from residues/unused products:** Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.
- **Contaminated packaging:** Rinse empty containers with water and use the rinse-water to prepare the working solution. Dispose in accordance with local and national regulations. Can be landfilled or incinerated, when in compliance with local regulations.
- **Recycling:** The product and its packaging are not suitable for recycling.

14. TRANSPORT INFORMATION

- 14.1 **Land transport (ADR/RID):** Not classified.
- 14.2 **Sea transport (IMDG):** Not classified.
- 14.3 **Air transport (IATA):** Not classified.

15. REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations specific for the substance or mixture:

All components of this product have been registered or pre-registered with the European Chemicals Agency or are exempt from registration.

15.2 Chemical safety assessment:

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A Chemical Safety Assessment for this product has been carried out by the person responsible for producing this Safety Data Sheet. All relevant information used to conduct this assessment are included in this Safety Data Sheet as well as any resulting Risk Reduction Measures.

16. OTHER INFORMATION

16.1 Other information

This data sheet contains changes from the previous version in section(s):

SECTION 2: Hazards identification, SECTION 3: Composition/information on ingredients, SECTION 4: First aid measures, SECTION 11: Toxicological information, SECTION 16: Other information.

Key or legend to abbreviations and acronyms used in the safety data sheet:

None.

This SDS was prepared in accordance with the following:

Regulation (EU) No. 2015/830
Regulation (EU) No. 1272/2008
Regulation (EU) No. 1907/2006

Version: 15.01.a

PRAC001

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered 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 materials or in any process, unless specified in the text.

ANNEX(ES)

Therefore, according to Regulation (EC) No 1907/2006, Article 31, paragraph 7, an Exposure Scenario is not required as an annex to the Safety Data Sheet.