

SAFETY DATA SHEET

CLEARFLO NP1868-1

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

1.1 Product Identifier:

- Trade Name: **CLEARFLO NP1868-1**
- Type of product: Mixture

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

- Identified Uses: 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 (Office hours only):

GPC Clear Solution Ltd (Office hours only): +44 (0) 7787564967

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 the substance or mixture:

- Classification according to Regulation (EC) No. 1272/2008: Not classified.

2.2 Label 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: Not PBT or vPvB according to the criteria of Annex XIII of REACH.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable, this product is a mixture.

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 persistent irritation, consult a physician.
- **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Get medical attention if symptoms occur.

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

Powder can cause localised skin irritation in folds of the skin or under tight clothing. Moderate eye irritation due to effects all powders have on conjunctivae.

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:** Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder. Warning! Aqueous solutions or powders that become wet render surfaces extremely slippery.
- **Unsuitable extinguishing media:** None known.

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5.2 Special hazards arising from the substance or mixture:

- **Hazardous decomposition products:** Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x). Ammonia (NH₃). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

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. Prevent further leakage or spillage if safe to do so.

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

6.3 Methods and material for containment and clearing up:

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

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

7. HANDLING AND STORAGE

- 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 strong bases and oxidizing agents.
- 7.3 Specific end use(s):** This information is not available.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 8.1 Control parameters:**
- **National occupational exposure limits:** None known.
 - **Derived No and Minimum Effect Levels (DNELs/DMELs):** None known.
 - **Predicted no-effect concentrations (PNEC):** None known.
- 8.2 Exposure controls:**
- **Appropriate engineering controls:** Use local exhaust if dusting occur. 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. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
 - b) **Skin protection:**

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| i) | Hand protection: | PVC or other plastic material gloves. The selected protective gloves must satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it. |
| ii) | Other: | Work clothes protecting arms, legs and body. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. |
| 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 . Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| d) | Additional advice: | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday. |
| - | Environmental exposure controls: | Do not allow uncontrolled discharge of product into the environment. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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 (See Technical Bulletin or Product Specifications for a more precise value, if available). |
| - | Melting point/freezing point: | > 150°C |
| - | Initial boiling point and boiling range: | Not applicable. |
| - | Flash point: | Not applicable. |

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-	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 (See Technical Bulletin or Product Specifications for a more precise value, if available).
-	Solubility(ies):	Soluble in water.
-	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:	The product is stable under normal storage conditions.
10.3	Possibility of hazardous reactions:	Oxidising agents may cause exothermic reactions. Contact with strong bases liberates ammonia.
10.4	Conditions to avoid:	None known.

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- 10.5 Incompatible materials:** Incompatible with strong bases and oxidising agents.
- 10.6 Hazardous decomposition products:** Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x). Ammonia (NH₃). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

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.
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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/Fathead minnow/96 hours > 100 mg/L (OECD 203)
- **Acute toxicity to invertebrates:** 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.
- **Effects on terrestrial organisms:** 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 to soil

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

12.5 Results of PBT and vPvB assessment:

- **PBT assessment:** Not PBT according to the criteria of Annex XIII of REACH.
- **vPvB assessment:** Not vPvB according to the criteria of Annex XIII of REACH.

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

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. If recycling is not practicable, dispose of in compliance with local regulations. Can be landfilled or incinerated, when in compliance with local regulations.
- **Recycling:** In accordance with local and national regulations.

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.

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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:

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

SECTION 8: Exposure controls/personal protection, SECTION 16: Other information.

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

Acronyms

PBT = persistent, bioaccumulative and toxic

STOT = Specific target organ toxicity

vPvB = Very persistent and very bioaccumulative

16.3 Training advice:

Do not handle until all safety precautions have been read and understood

16.4 This SDS was prepared in accordance with the following:

Regulation (EC) N° 1907/2006, as amended

Regulation (EC) N° 1272/2008, as amended

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 a guidance for safe handling, use, process, 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.

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ANNEX(ES)

This product is not hazardous as supplied and/or does not contain hazardous components:

- . Which require REACH registration; or,
- . which demonstrate relevant effects which would require a chemical safety assessment; or,
- . which are present at concentrations above their cut-off value

Therefore, according to Regulation (EC) No 197/2006, Article 31, paragraph 7, an Exposure Scenario is not required as an annex to the Safety Data Sheet.