



## SAFETY DATA SHEET CAFLON FLOC PC 2533

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

#### 1.1. Product identifier

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Product name             | CAFLON FLOC PC 2533                                                                                        |
| Product number           | 65035                                                                                                      |
| REACH registration notes | This product is not classified as hazardous, the information in this datasheet is given for guidance only. |

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

|                 |                    |
|-----------------|--------------------|
| Identified uses | Flocculating Agent |
|-----------------|--------------------|

#### 1.3. Details of the supplier of the safety data sheet

|          |                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar Solutions UK Ltd<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>SDS.EMEA@univarsolutions.com |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 65035                          |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

#### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| Hazard statements | NC Not Classified |
|-------------------|-------------------|

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

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|                            |                      |         |
|----------------------------|----------------------|---------|
| 2-PROPENAMIDE, HOMOPOLYMER |                      | 60-100% |
| CAS number: 9003-05-8      | EC number: 618-350-3 |         |
| <b>Classification</b>      |                      |         |
| Not Classified             |                      |         |

The full text for all hazard statements is displayed in Section 16.

**Product name** CAFLON FLOC PC 2533

**REACH registration notes** This product is not classified as hazardous, the information in this datasheet is given for guidance only.

**Composition comments** The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                     |                                                                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.                                                                                           |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.             |
| <b>Skin contact</b> | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.                                          |
| <b>Eye contact</b>  | Remove any contact lenses and open eyelids wide apart. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. |

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

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation. |
| <b>Eye contact</b>  | May cause temporary eye irritation.                    |

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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.           |

#### 5.2. Special hazards arising from the substance or mixture

|                                      |                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>              | Oxides of carbon.                                                                                |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |

#### 5.3. Advice for firefighters

|                                                      |                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

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### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Follow precautions for safe handling described in this safety data sheet Avoid inhalation of dust and contact with skin and eyes. Provide adequate ventilation.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid handling which leads to dust formation. Avoid inhalation of dust and contact with skin and eyes. Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. Provide adequate ventilation.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of dust.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Butyl rubber. To protect hands from chemicals, gloves should comply with European Standard EN374.

#### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

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**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

### SECTION 9: Physical and chemical properties

#### **9.1. Information on basic physical and chemical properties**

|                                                     |                                                             |
|-----------------------------------------------------|-------------------------------------------------------------|
| <b>Appearance</b>                                   | Granules. Powder. Solid                                     |
| <b>Colour</b>                                       | White.                                                      |
| <b>Odour</b>                                        | Odourless.                                                  |
| <b>Odour threshold</b>                              | No information available.                                   |
| <b>pH</b>                                           | pH (diluted solution): 5.0 - 6.0 @ 50%                      |
| <b>Melting point</b>                                | > 35°C                                                      |
| <b>Pour Point</b>                                   | No information available.                                   |
| <b>Freezing Point</b>                               | No information available.                                   |
| <b>Initial boiling point and range</b>              | > 35°C                                                      |
| <b>Flash point</b>                                  | The product is non-combustible.                             |
| <b>Evaporation rate</b>                             | Data lacking.                                               |
| <b>Evaporation factor</b>                           | No information available.                                   |
| <b>Flammability (solid, gas)</b>                    | No information available.                                   |
| <b>Upper/lower flammability or explosive limits</b> | Data lacking.                                               |
| <b>Other flammability</b>                           | No information available.                                   |
| <b>Vapour pressure</b>                              | Data lacking.                                               |
| <b>Vapour density</b>                               | No information available.                                   |
| <b>Relative density</b>                             | No information available.                                   |
| <b>Bulk density</b>                                 | No information available.                                   |
| <b>Solubility(ies)</b>                              | Miscible with water.                                        |
| <b>Partition coefficient</b>                        | No information available.                                   |
| <b>Auto-ignition temperature</b>                    | Data lacking.                                               |
| <b>Decomposition Temperature</b>                    | No information available.                                   |
| <b>Viscosity</b>                                    | No information available.                                   |
| <b>Explosive properties</b>                         | Not considered to be explosive.                             |
| <b>Explosive under the influence of a flame</b>     | No information available.                                   |
| <b>Oxidising properties</b>                         | Does not meet the criteria for classification as oxidising. |

#### **9.2. Other information**

|                          |                           |
|--------------------------|---------------------------|
| <b>Other information</b> | No information required.  |
| <b>Refractive index</b>  | No information available. |
| <b>Particle size</b>     | No information available. |

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|                                  |                           |
|----------------------------------|---------------------------|
| <b>Molecular weight</b>          | No information available. |
| <b>Volatility</b>                | No information available. |
| <b>Saturation concentration</b>  | No information available. |
| <b>Critical temperature</b>      | No information available. |
| <b>Volatile organic compound</b> | No information available. |

**SECTION 10: Stability and reactivity****10.1. Reactivity**

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| <b>Reactivity</b> | Stable at normal ambient temperatures and when used as recommended. |
|-------------------|---------------------------------------------------------------------|

**10.2. Chemical stability**

|                  |                                        |
|------------------|----------------------------------------|
| <b>Stability</b> | Stable at normal ambient temperatures. |
|------------------|----------------------------------------|

**10.3. Possibility of hazardous reactions**

|                                           |             |
|-------------------------------------------|-------------|
| <b>Possibility of hazardous reactions</b> | None known. |
|-------------------------------------------|-------------|

**10.4. Conditions to avoid**

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| <b>Conditions to avoid</b> | Avoid heat, flames and other sources of ignition. |
|----------------------------|---------------------------------------------------|

**10.5. Incompatible materials**

|                           |                            |
|---------------------------|----------------------------|
| <b>Materials to avoid</b> | Oxidising agents. Alkalis. |
|---------------------------|----------------------------|

**10.6. Hazardous decomposition products**

|                                         |                   |
|-----------------------------------------|-------------------|
| <b>Hazardous decomposition products</b> | Oxides of carbon. |
|-----------------------------------------|-------------------|

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Skin corrosion/irritation**

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Skin corrosion/irritation</b> | No information available. |
|----------------------------------|---------------------------|

|                    |               |
|--------------------|---------------|
| <b>Animal data</b> | Data lacking. |
|--------------------|---------------|

**Serious eye damage/irritation**

|                                      |               |
|--------------------------------------|---------------|
| <b>Serious eye damage/irritation</b> | Data lacking. |
|--------------------------------------|---------------|

**Respiratory sensitisation**

|                                  |               |
|----------------------------------|---------------|
| <b>Respiratory sensitisation</b> | Data lacking. |
|----------------------------------|---------------|

**Skin sensitisation**

|                           |               |
|---------------------------|---------------|
| <b>Skin sensitisation</b> | Data lacking. |
|---------------------------|---------------|

**Germ cell mutagenicity**

|                                |               |
|--------------------------------|---------------|
| <b>Genotoxicity - in vitro</b> | Data lacking. |
|--------------------------------|---------------|

**Carcinogenicity**

|                        |               |
|------------------------|---------------|
| <b>Carcinogenicity</b> | Data lacking. |
|------------------------|---------------|

**Reproductive toxicity**

|                                          |               |
|------------------------------------------|---------------|
| <b>Reproductive toxicity - fertility</b> | Data lacking. |
|------------------------------------------|---------------|

**Specific target organ toxicity - single exposure**

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**STOT - single exposure** Data lacking.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Data lacking.

### Aspiration hazard

**Aspiration hazard** Data lacking.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Prolonged skin contact may cause temporary irritation.

**Eye contact** May cause temporary eye irritation.

## SECTION 12: Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** Not expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

**CAFLON FLOC PC 2533****14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

No transport warning sign required.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

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

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) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

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### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Classification procedures according to Regulation (EC) 1272/2008

NC: Calculation method.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

03/02/2023



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|                       |                  |
|-----------------------|------------------|
| <b>Version number</b> | 1.000            |
| <b>SDS number</b>     | 65035            |
| <b>SDS status</b>     | Approved.        |
| <b>Signature</b>      | Jitendra Panchal |

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