

SAFETY DATA SHEET

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020

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

1.1. Product identifier

Product name: **FLOGEL™ FG 1000**

Type of product: Substance.

Substance name: 2-Propenoic acid, homopolymer

EC No: Polymer

CAS No: 9003-01-4

Registration number: Not applicable (polymer).

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

Company: Supplies for Candles Ltd & The Soap Kitchen Ltd
Unit E Swinton Bridge Industrial Estate
Whitelee Road, Swinton, South Yorkshire, S64 8BH
Office Hours Mon- Fri 8.00 – 16.00

Telephone: TEL: 01709 257151

E-mail address: customerservice@suppliesforcandles.co.uk

1.4. Emergency telephone number

24-hour emergency number: TEL: 01709 257151

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)

SECTION 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. Dust can form an explosive mixture in air.

PBT and vPvB assessment:

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

For explanation of abbreviations see Section 16.

SECTION 3: Composition/information on ingredients**3.1. Substances****2-Propenoic acid, homopolymer**

Concentration/-range:	> 97%
EC-No.:	Polymer
REACH Registration Number:	Not applicable (polymer).
Classification according to Regulation (EC) No.1272/2008:	Not classified.

3.2. Mixtures

Not applicable, this product is a substance.

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation:

Remove to fresh air if effects occur. Consult a physician. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Skin contact:

Wash off with soap and plenty of water. Remove contaminated clothing. If irritation develops, get medical attention.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of persistent eye irritation, consult a physician.

Ingestion:

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

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

Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes. Prolonged skin contact may cause skin irritation with susceptible persons.

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

None.

Other information:

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

SECTION 5: Firefighting 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.

5.2. Special hazards arising from the substance or mixture*Hazardous decomposition products:*

Thermal decomposition may produce: carbon oxides (CO_x).

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. Potential dust explosion hazard.

SECTION 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. Avoid breathing dust. Remove all sources of ignition. Avoid dust formation in confined areas.

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

Do not allow contact with soil, surface or ground water. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Non-sparking tools should be used.

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;

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid dust formation. Use only explosion-proof equipment. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Aqueous solutions or powders that become wet render surfaces extremely slippery.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from heat and sources of ignition. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Incompatible with strong bases and oxidizing agents. Amines.

7.3. Specific end use(s)

This information is not available.

SECTION 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 occurs. Natural ventilation is adequate in absence of dusts. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilation equipment.

Individual protection measures, such as personal protective equipment:*a) Eye/face protection:*

Safety glasses with side-shields conforming to EN 166.

b) Skin protection:

i) *Hand protection:* Protective gloves complying with EN 374.

ii) *Other:* Workclothes protecting arms, legs and body.

c) Respiratory protection:

Ventilated respirator with P3 filter cartridge if respirable dust (particlesize < 10 µm) exceeds 0.05 mg/m³. Dust safety masks recommended where working powder concentration is more than 10 mg/m³.

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. Do not flush into surface water.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

a) Appearance:	White granular solid.
b) Odour:	Slight
c) Odour Threshold:	Not applicable.
d) pH:	2 - 5 @ 5 g/L (See Technical Bulletin or Product Specifications for a more precise value, if available)
e) Melting point/freezing point:	> 150°C
f) Initial boiling point and boiling range:	Not applicable.
g) Flash point:	Not applicable.
h) Evaporation rate:	Not applicable.
i) Flammability (solid, gas):	Not flammable.
j) Upper/lower flammability or explosive limits:	No data available.
k) Vapour pressure:	Not applicable.
l) Vapour density:	Not applicable.
m) Relative density:	0.1 - 0.6 (See Technical Bulletin or Product Specifications for a more precise value, if available)
n) Solubility(ies):	Soluble in water.

<i>o) Partition coefficient:</i>	~0
<i>p) Autoignition temperature:</i>	Does not self-ignite (based on the chemical structure).
<i>q) Decomposition temperature:</i>	No data available.
<i>r) Viscosity:</i>	See Technical Bulletin.
<i>s) Explosive properties:</i>	Not expected to be explosive based on the chemical structure. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
<i>t) Oxidizing properties:</i>	Not expected to be oxidising based on the chemical structure.

9.2. Other information

None.

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

None known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Powdered material may form explosive dust-air mixtures.

10.4. Conditions to avoid

Keep away from heat and sources of ignition.

10.5. Incompatible materials

Incompatible with strong bases and oxidizing agents. Amines.

10.6. Hazardous decomposition products

Thermal decomposition may produce: carbon oxides (CO_x).

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

Information on the product as supplied:

2-Propenoic acid, homopolymer

<i>Acute oral toxicity:</i>	LD50/oral/rat > 5000 mg/kg (Estimated)
<i>Acute dermal toxicity:</i>	LD50/dermal/rat > 5000 mg/kg. (Based on results obtained from tests on analogous products)
<i>Acute inhalation toxicity:</i>	The product is not expected to be toxic by inhalation.
<i>Skin corrosion/irritation:</i>	By analogy with similar products, this product is not expected to be irritating.
<i>Serious eye damage/eye irritation:</i>	By analogy with similar products, this product is not expected to be irritating.
<i>Respiratory/skin sensitisation:</i>	The product is not expected to be sensitizing.
<i>Mutagenicity:</i>	Not mutagenic.
<i>Carcinogenicity:</i>	Not carcinogenic.
<i>Reproductive toxicity:</i>	Not toxic for reproduction.
<i>STOT - Single exposure:</i>	No known effects.
<i>STOT - Repeated exposure:</i>	No known effect.
<i>Aspiration hazard:</i>	No known effects.

SECTION 12: Ecological information**12.1. Toxicity**Information on the product as supplied:2-Propenoic acid, homopolymer

<i>Acute toxicity to fish:</i>	LC50/Lepomis macrochirus/96 hours > 100 mg/L LC50/Oncorhynchus mykiss/96 hours > 100 mg/L
<i>Acute toxicity to invertebrates:</i>	EC50/Daphnia magna/96 hours > 100 mg/L
<i>Acute toxicity to algae:</i>	IC50/Algae/72 hours > 100 mg/L
<i>Chronic toxicity to fish:</i>	No data available.
<i>Chronic toxicity to invertebrates:</i>	EC50/Daphnia magna/21 days > 100 mg/L (Estimated)

Toxicity to microorganisms: EC50/*Pseudomonas putida* = 100 - 1000 mg/L

Effects on terrestrial organisms: No data available.

Sediment toxicity: No data available.

12.2. Persistence and degradability

Information on the product as supplied:

2-Propenoic acid, homopolymer

Degradation: Not readily biodegradable.

Hydrolysis: Does not hydrolyse.

Photolysis: No data available.

12.3. Bioaccumulative potential

Information on the product as supplied:

The product is not expected to bioaccumulate.

2-Propenoic acid, homopolymer

Partition co-efficient (Log Pow): ~0

Bioconcentration factor (BCF): No data available.

12.4. Mobility in soil

Information on the product as supplied:

2-Propenoic acid, homopolymer

K_{oc}: No data available.

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.

SECTION 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. Empty containers should be taken for local recycling, recovery or waste disposal. If recycling is not practicable, dispose of in compliance with local regulations.

Recycling:

In accordance with local and national regulations.

SECTION 14: Transport informationLand transport (ADR/RID)

Not classified.

Sea transport (IMDG)

Not classified.

Air transport (IATA)

Not classified.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation 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 any as any resulting Risk Reduction Measures.

SECTION 16: Other information

SECTION 16: Other information

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

SECTION 5. Fire-fighting measures, SECTION 6. Accidental release measures, SECTION 7. Handling and storage, SECTION 8. Exposure controls/personal protection, SECTION 9. Physical and chemical properties, SECTION 10. Stability and reactivity, SECTION 15. Regulatory information, SECTION 16. Other Information.

Key or legend to abbreviations 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

Training advice:

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

This SDS was prepared in accordance with the following:

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

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

Version: 20.01.a

PRAC048

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)

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 1907/2006, Article 31, paragraph 7, an Exposure Scenario is not required as an annex to the Safety Data Sheet.