

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

### 1.1 Product identifier

Trade name: **Fine Casting Plaster**

Safety data sheet no.: NK PS027

CAS Number:

7778-18-9

EC number:

231-900-3

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

No further relevant information available.

**Application of the substance / the mixture** Construction chemicals

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

**Manufacturer/Supplier:**

Saint-Gobain Formula

Bowbridge Lane

New Balderton

Newark

Nottinghamshire

NG24 3BZ

UK

Phone: 44 (0) 1636 670200

Fax: 44 (0) 1636 670229

E-mail: [msds-formula@saint-gobain.com](mailto:msds-formula@saint-gobain.com)

### 1.4 Emergency telephone number:

Austria +43 1 406 43 43 (24 hrs)

Belgium +32 70 245 245 (24 hrs)

Bulgaria +359 2 9154 233 Телефонът е активен 24/7

China +86 10 660 981 14 (24 hrs)

Czechia (Czech Republic) +420 22 49 192 93 (24 hrs)

Denmark +45 82 12 12 12 (24 hrs)

Finland +358 9 471977 (24 hrs)

France +33 (0)1 40 05 48 48 (24 hrs)

Germany +49 30 192 40 (24 hrs)

Greece +30 21 07 79 37 77 (24 hrs)

Hungary +36 80 20 11 99 (24 hrs)

India +91 112 659 36 77 or +91 112 658 93 91 (24 hrs)

Indonesia +62 813 1082 6879 (24 hrs)

Ireland +353 1 809 2166 (24 hrs)

Morocco +212 537 68 64 64 / 0801 000 180 (24 hrs)

Netherlands +31 (0)30 274 88 88 (24 hrs)

Northern Ireland 844 892 0111 (24 hrs)

Norway +47 22 59 13 00 (24 hrs)

Portugal +351 800 250 250 (24 hrs)

Romania +402 212 106 282 (24 hrs)

Saudi Arabia 937; 800 442 8800 (national callers) (24 hrs)

Spain +34 91 562 0420 (24 hrs)

Switzerland +41 44 251 51 51 (in Switzerland dial 145) (24 hrs)

Thailand 1367, Line ID poisrequest (national callers) +66 (0)220 11084-6 (24 hrs)

Tunisia +216 1 335 500 (24 hrs)

Turkey +90 0312 433 70 01 or 0 800 314 7900 (24 hrs)

UK 844 892 0111 (24 hrs)

USA 1 800 222 1222 (24 hrs)

Vietnam +84 (0)243 869 3731, ext 6821 (08.00-17.00 Monday-Friday)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the GB CLP regulation.

#### 2.2 Label elements

##### Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

##### Additional information:

Safety data sheet available on request.

This Safety Data Sheet is provided by the supplier on a voluntary basis according to the Article 32 of the Regulation (EC) No 1907/2006 (UK REACH).

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

### SECTION 3: Composition/information on ingredients

#### 3.1 Chemical characterisation: Substances

##### CAS No. Description

CAS: 7778-18-9 calcium sulphate, natural

EC number: 231-900-3

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information** No special measures required.

**After inhalation** Supply fresh air; consult doctor in case of complaints.

**After skin contact** Generally the product does not irritate the skin.

##### After eye contact

Rinse immediately and abundantly with water. Seek medical attention, if pain or redness persists.

Remove contact lenses, if possible. Continue rinsing

**After swallowing** Rinse mouth. DO NOT induce vomiting. If symptoms persist consult a doctor.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

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**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions:** No special measures required.

**6.3 Methods and material for containment and cleaning up:** Pick up mechanically.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

No special measures required.

Provide suction extractors if dust is formed.

**Information about fire - and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Additional information about design of technical facilities:** No further data; see section 7.

**Ingredients with limit values that require monitoring at the workplace:**

**DNELs**

**CAS: 7778-18-9 calcium sulphate, natural**

Oral	Derived No Effect Level	1.52 mg/kgxday (consumer systemic long term value) 11.4 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	21.17 mg/m <sup>3</sup> (worker systemic long term value) 5,082 mg/m <sup>3</sup> (worker systemic short term value) 5.29 mg/m <sup>3</sup> (consumer systemic long term value) 3,811 mg/m <sup>3</sup> (consumer systemic short term value)

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the skin.

**Respiratory protection:** Not required.

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**Protection of hands:** Not required.**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Eye protection:** Not required.**Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

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

##### General Information

##### Appearance:

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not determined.

<b>pH-value:</b>	6-8
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##### Change in condition

<b>Melting point/freezing point:</b>	~1,450 °C (DIN ISO 3016)
<b>Initial boiling point and boiling range:</b>	Undetermined.

<b>Flash point:</b>	Not applicable
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<b>Flammability</b>	Product is not flammable.
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<b>Auto-ignition temperature:</b>	Not determined.
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<b>Decomposition temperature:</b>	Not determined.
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<b>Ignition temperature:</b>	Not determined.
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<b>Explosive properties:</b>	Product does not present an explosion hazard.
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##### Explosion limits:

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

<b>Oxidising properties</b>	Not determined.
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<b>Vapour pressure:</b>	Not applicable.
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<b>Density at 20 °C:</b>	2.31-2.97 g/cm <sup>3</sup> (DIN 51757) Not applicable.
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<b>Bulk density:</b>	700-1,100 kg/m <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.

##### Solubility in / Miscibility with

<b>Water at 20 °C:</b>	2.4 g/l
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##### Segregation coefficient (n-octanol/water) log

<b>Pow:</b>	Not determined.
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<b>Viscosity:</b>	
dynamic:	Not applicable.
kinematic:	Not applicable.
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
Solids content:	100.0 %

**9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** No further relevant information available.
- 10.2 Chemical stability** Stable at recommended storage conditions
- Thermal decomposition / Conditions to be avoided:**  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known
- 10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**  
**Acute toxicity** Based on available data, the classification criteria are not met.  
**LD/LC50 values relevant for classification:**

Components	Type	Value	Species
<b>CAS: 7778-18-9 calcium sulphate, natural</b>			
Oral	LD50	>2,000 mg/kg	(Rat)

**Primary irritant effect:**  
**Skin corrosion/irritation** Based on available data, the classification criteria are not met.  
**Serious eye damage/irritation** Based on available data, the classification criteria are not met.  
**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.  
**Additional toxicological information:**  
**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
**Germ cell mutagenicity** Based on available data, the classification criteria are not met.  
**Carcinogenicity** Based on available data, the classification criteria are not met.  
**Reproductive toxicity** Based on available data, the classification criteria are not met.  
**STOT-single exposure** Based on available data, the classification criteria are not met.  
**STOT-repeated exposure** Based on available data, the classification criteria are not met.  
**Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

**12.1 Toxicity**  
**Aquatic toxicity:** Not classified as harmful to aquatic life

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**Type of test / Effective concentration / Method / Assessment**
**CAS: 7778-18-9 calcium sulphate, natural**

LC50/48h 79-1,970 mg/l (aquatic invertebrates)

LC50/96h 79-2,980 mg/l (Fish)

EC50/72h &gt;79 mg/l (aquatic algae and cyanobacteria)

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**Ecotoxicological effects:**
**Behaviour in sewage processing plants:**
**Type of test / Effective concentration / Method / Assessment**
**CAS: 7778-18-9 calcium sulphate, natural**

EC 50 (3h) &gt;1,000 mg/l (microorganisms)

**Additional ecological information:**
**General notes:** Do not allow product to reach ground water, water course or sewage system.

**12.5 Results of PBT and vPvB assessment**
**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:**
**Recommendation:** Non contaminated packagings may be recycled.

**Recommended cleaning agent:** Thoroughly shake out sacks.

### SECTION 14: Transport information

**14.1 UN-Number  
ADR, IMDG, IATA**

Void

**14.2 UN proper shipping name  
ADR, IMDG, IATA**

Void

**14.3 Transport hazard class(es)**
**ADR, ADN, IMDG, IATA  
Class**

Void

**14.4 Packing group  
ADR, IMDG, IATA**

Void

**14.5 Environmental hazards:**

Not applicable.

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**14.6 Special precautions for user** Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

**UN "Model Regulation":** Void

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Poisons Act**

**Regulated explosives precursors**

Substance is not listed.

**Regulated poisons**

Substance is not listed.

**Reportable explosives precursors**

Substance is not listed.

**Reportable poisons**

Substance is not listed.

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**REGULATION (EU) 2017/852 on mercury (Annex I)**

Substance is not listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:** Technical Services

**Contact:**

44 (0) 1636 670230

msds-formula@saint-gobain.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative