

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

FlowTec



KELTEC

Building & Paving Products

Date of issue: 1.11.24

Version 1.0

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

1.1 Product Identifier

Product Name	FlowTec
Product Code	054-057
Unique Formula Identifier (UFI)	TGQ1-GOTW-T007-XTOH
Nanoform	The product does not contain nanoparticles.

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

Flowable Grout For Concrete Paving and Natural Stone

Identified use(s)	Flowable Grout for Concrete Paving and Natural Stone
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Uses advised against	No Other Uses
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1.3 Details of the supplier of the safety data sheet

Company Identification	KelTec Building and Paving Products LTD
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Telephone	00-353-(0)53-9233771
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Fax	
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E-mail (competent person)	Info@keltecltd.ie
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1.4 Emergency Telephone Number

Emergency Phone No.	00-353-(0)53-9233771
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Language(s) spoken:	English
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2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 STOT SE 3; H335
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2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product name	PrimeTec
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Contains:	Cement, portland, chemicals; Flue dust,
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Hazard Pictogram(s)



Signal Word(s)

DANGER

Hazard Statement(s)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

Precautionary Statement(s)

P103: Read label before use.
P102: Keep out of reach of children.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

Supplemental information

Not applicable

2.3 Other hazards

None Known

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Cement, portland, chemicals	20-40	65997-15-1	266-043-4	Not yet assigned in the supply chain	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Dam. 1; H318 STOT SE 3; H335
Flue dust, portland cement	1-2	68475-76-3	270-659-9	01-2119486767-17-0024	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Dam. 1; H318 STOT SE 3; H335

Note: For full text of H phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



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4.1 Description of first aid measures

Self-protection of the first aider

No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation Avoid inhalation of dusts. Avoid contact with skin and eyes.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of respiratory tract irritation, consult a physician.

Skin contact

IF ON SKIN: Gently wash with plenty of soap and water. If irritation develops and persists, get medical attention.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If possible, use isotonic water (0.9% NaCl). After rinsing affected eyes must be seen by an ophthalmologist. Do not rub eyes in order to avoid possible corneal damage by mechanical stress.

Ingestion

IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

May cause respiratory irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation.

Handling of this material may generate a dust which can cause mechanical irritation of the eyes, skin nose and throat.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to a physician:

Treatment by an ophthalmologist due to possible caustic burn of the eyes may be required.

Symptoms may be delayed for as long as 48 hours following exposure.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing media

Do not use water jet. Direct water jet may spread the fire.

5.2 Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO_x), Metal oxides.

5.3 Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

No action should be taken involving personal risk. Wear suitable protective clothing. Ensure adequate ventilation Avoid breathing dust Avoid contact with skin and eyes. Remove contaminated clothing and wash all affected areas with plenty of water. Take precautionary measures against static discharges.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. A vacuum equipped with HEPA (high efficiency particulate air) filtration is recommended.

Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

When using do not eat or drink. Wear suitable protective clothing. Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product. Remove contaminated clothing and wash clothing before reuse. Avoid breathing dust. Avoid contact with skin and eyes. Avoid dust generation.

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- 7.2 Conditions for safe storage, including any incompatibilities**
Storage temperature
Incompatible materials
- 7.3 Specific end use(s)**
- Keep only in original packaging. Keep in a well ventilated place. Keep container closed. Take precautionary measures against static discharges.
Ambient temperatures.
When wet: Acids, ammonium salts, aluminium, copper and their alloys.
See Section: 1.2

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
8.1.1 Occupational exposure limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Cement, portland, chemicals	65997-15-1	-	10	-	-	-
		-	4	-	-	-

Source: Health and Safety Authority, Code of Practice, 2020

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Exposure scenarios for these substances are not yet available in the supply chain
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures. Take action to prevent static discharges. Keep away from fire, sparks and heated surfaces. Avoid dust generation
- 8.2.2 Individual protection measures, such as personal protective equipment** Use personal protective equipment as required. Take care for general good hygiene and housekeeping. Avoid inhalation of vapours that may be evolved at elevated temperatures. Avoid breathing dust. Avoid contact with skin and eyes. Wash hands before breaks and after work. A washing facility/water for eye and skin cleaning purposes should be present.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/ face protection



Wear eye protection with side protection (EN166). Eyewash bottles should be available.

Skin protection



Hand protection: Wear impervious gloves (EN374). Gloves should be changed regularly to avoid permeation problems.

Body protection: Wear dust-resistant protective clothing.

Respiratory protection



Not normally required. Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved. In case of inadequate ventilation wear respiratory protection. Recommended: EN143 Type A-P2.

Thermal hazards

Not applicable

- 8.2.3 Environmental exposure controls**

Avoid release to the environment.

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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	Grey
Odour	Slight
Melting point/freezing point	N/A
Boiling point or initial boiling point and boiling range	N/A
Flammability	N/A
Lower and upper explosion limit	N/A
Flash point	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
pH	N/A
Kinematic viscosity	N/A
Solubility	Slightly soluble in water
Partition coefficient: n-octanol/water (log value)	N/A
Vapour pressure	N/A
Density and/or relative density	N/A
Relative vapour density	N/A
Particle characteristics	N/A

9.2 Other information None Known

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	When mixed with water, cements will harden into a stable mass that is not reactive in normal environments
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Dissolves in hydrofluoric acid to produce corrosive silicon tetrafluoride gas.
10.4 Conditions to avoid	Protect from direct sunlight. Avoid contact with moisture
10.5 Incompatible materials	Incompatible with acids, with ammonium salts and with aluminium, copper and their alloys.
10.6 Hazardous decomposition products	May give off noxious and toxic fumes in a fire. Combustion products: Carbon monoxide, Carbon dioxide

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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on hazard classes as defined in Regulation (EC) No 1272/2008	
	Acute toxicity - Ingestion	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
	Acute toxicity - Inhalation	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) >2,000 mg/kg.
	Acute toxicity - Skin contact	Mixture: Based upon the available data, the classification criteria are not met. Calculated acute toxicity estimate (ATE) > 5 mg/L (Dust)
	Skin corrosion/irritation	Mixture: Skin Irrit. 2; H315: Causes skin irritation.
	Flue dust, portland cement	Skin Irrit. 2; H315: Causes skin irritation.
	Cement, portland, chemicals	Irritating to skin. (OECD 431) (Unnamed, 2010)
		Skin Irrit. 2; H315: Causes skin irritation.
		No data available. EU classification and labelling inventory
	Serious eye damage/irritation	Mixture: Eye Dam. 1; H318: Causes serious eye damage.
	Flue dust, portland cement	Eye Dam. 1; H318: Causes serious eye damage.
	Cement, portland, chemicals	Irreversible effects on the eye. (OECD 438) (Unnamed, 2010)
		Eye Dam. 1; H318: Causes serious eye damage.
		No data available. EU classification and labelling inventory
	Respiratory or skin sensitisation	Mixture: Skin Sens. 1; H317: May cause an allergic skin reaction.
	Flue dust, portland cement	Skin Sens. 1; H317: May cause an allergic skin reaction.
	Cement, portland, chemicals	Adverse effects observed: Sensitising. (Unnamed, 2003)
		Skin Sens. 1B; H317: May cause an allergic skin reaction.
		No data available. EU classification and labelling inventory
	Germ cell mutagenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Carcinogenicity	Mixture: Based upon the available data, the classification criteria are not met.
	Reproductive toxicity	Mixture: Based upon the available data, the classification criteria are not met.
	STOT - Single Exposure	Mixture: STOT SE 3; H335: May cause respiratory irritation.
	Flue dust, portland cement	STOT SE 3; H335: May cause respiratory irritation.
	Cement, portland, chemicals	ECHA Registration Endpoint summary: Weight of evidence approach NOAEC (mg/m ³): 61.0, 90d (rat) (OECD 413) LOAEC (mg/m ³): 5.09, 90d (rat) (OECD 413)
		STOT SE 3; H335: May cause respiratory irritation.
		No data available. EU classification and labelling inventory
	STOT - Repeated Exposure	Mixture: Based upon the available data, the classification criteria are not met.
	Aspiration hazard	Mixture: Based upon the available data, the classification criteria are not met.
11.2	Information on other hazards	
11.2.1	Endocrine disrupting properties	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
11.2.2	Other information	None

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture: Based upon the available data, the classification criteria are not met. LC50: >100 mg/L
12.2	Persistence and degradability	No data for the mixture as a whole.
	Flue dust, portland cement	Not applicable for inorganic substances.
	Cement, portland, chemicals	Not applicable for inorganic substances.
12.3	Bioaccumulative potential	No data for the mixture as a whole.
	Flue dust, portland cement	Not applicable for inorganic substances.
	Cement, portland, chemicals	Not applicable for inorganic substances.
12.4	Mobility in soil	No data for the mixture as a whole.
	Flue dust, portland cement	Not applicable for inorganic substances.
	Cement, portland, chemicals	Not applicable for inorganic substances.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.

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- 12.6 Endocrine disrupting properties** This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
- 12.7 Other adverse effects** None Known

13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** Dispose of wastes in an approved waste disposal facility. Recover or recycle if possible.
Waste classification according to Directive 2008/98/EC (Waste Framework Directive) HP 4 - Irritant - skin irritation and eye damage

14. SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	ADN	IMDG	IATA/ICAO
14.1 UN number or ID number	Not classified	Not classified	Not classified	Not classified
14.2 UN proper shipping name	Not classified	Not classified	Not classified	Not classified
14.3 Transport hazard class(es)	Not classified	Not classified	Not classified	Not classified
14.4 Packing group	Not classified	Not classified	Not classified	Not classified
14.5 Environmental hazards	Not classified	Not classified	Not classified	Not classified
14.6 Special precautions for user	See Section: 2			
14.7 Maritime transport in bulk according to IMO instruments	Not applicable			
14.8 Additional information	None			

15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- 15.1.1 EU regulations**
Authorisations and/or restrictions on use Not restricted
- 15.1.2 National regulations**
Germany Water hazard class: Not hazardous (Self classification)
- 15.2 Chemical Safety Assessment** A REACH chemical safety assessment has not been carried out.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

References:

Existing Safety Data Sheet (SDS)
Existing ECHA registration(s) for Flue dust, portland cement (CAS No. 68475-76-3).

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification procedure
Skin Irrit. 2; H315	Additivity method.
Skin Sens. 1; H317	Threshold limit.
Eye Dam. 1; H318	Additivity method.
STOT SE 3; H335	Threshold limit.

Legend

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways

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CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL	Derived no effect level
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
LTEL	Long term exposure limit
PBT	PBT: Persistent, Bioaccumulative and Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	RID: Regulations concerning the international railway transport of dangerous goods
STEL	Short term exposure limit
vPvB	vPvB: very Persistent and very Bioaccumulative

Hazard classification / Classification code:

Skin irritation, Category 2
Serious eye damage, Category 1
Skin sensitizer, Category 1
Skin sensitizer, Sub-category 1B
Specific target organ toxicity (single exposure), Category 3

Hazard Statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Exposure scenarios for substances in this preparation are not available.