
Safety data sheet

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

1.1 Product identifier

Identification of the mixture: Q-FLASH[®] sp (L)

Article number: 2005-1036

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

Identified uses: Concrete admixture

Not recommended use: Data not available.

1.3 Details of the supplier providing the safety data sheet

Supplier: Concretum Construction Science AG, Steinackerstrasse 56, 8302 Kloten

Person responsible: safety@concretum.com

1.4 Emergency telephone number

Toxicological Information Centre: 145 (within Switzerland)
+41 44 251 51 51 (from abroad)
Concretum Construction Science AG: +41 44 445 13 46
www.concretum.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2009 (CLP)

The product is not considered dangerous according to CLP Regulation 1272/2008/EC.
Physico-chemical effects dangerous to human health and the environment: No other risks.

2.2 Label elements

Regulation (EC) No 1272/2009 (CLP)

The product is not considered dangerous according to CLP Regulation 1272/2008/EC.

2.3 Other hazards

No ingredient PBT/ vPvB is present
Other risks: no other risks.

SECTION 3: Composition/information on ingredients

3.1 Substances

N.A.

3.2 Mixture

Identification of the compound: Q-FLASH® sp (L)

Hazardous ingredients according to the CLP Regulation and their classification

None

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Take off contaminated clothing.

Following inhalation

Fresh air supply. Seek medical advice if symptoms occur.

Following skin contact

Wash skin with soap and plenty of water. Remove contaminated clothing and wash before the next use.

Following eye contact

Rinse opened eyes immediately with plenty of water. Continue rinsing for at least 15 minutes. If irritation persists, consult a doctor.

Following ingestion

Rinse mouth (tooth erosion possible with repeated exposure). Consult a doctor if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Irritation

4.3 Indication of immediate medical attention and special treatment required

None

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media

Water spray, CO₂, powder, water mist. Adjust firefighting measures to the surrounding area.

5.2 Special hazards arising from the substance or mixture

Do not inhale the explosion or combustion gases.

5.3 Advice for firefighting

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions

Use personal safety equipment (see also chapter 8).

6.2 Environmental precautions

Do not allow large quantities to enter drains or watercourses.

6.3. Methods for cleaning

Absorb with liquid-binding material (sand, gravel, universal binder, Penta 77).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid eye and skin contact. The usual precautionary measures when handling chemicals must be taken. Do not eat, drink or smoke while processing the product. Use only in well-ventilated rooms and avoid direct inhalation of vapours.

7.2 Conditions for safe storage taking into account incompatibilities

Store at constant temperatures between 5°C and 30°C in a dry and ventilated place. Avoid direct sunlight and strong heating.

7.3 Specific end uses

Recommendations
Concrete admixture
Specific solutions for the industrial sector
Concrete admixture

SECTION 8: Exposure controls / personal protection

8.1 Parameters to be monitored

No further data.

8.2 Exposure controls and monitoring

Individual protection measures (personal protective equipment)

Respiratory protection Not necessary with good room ventilation.

Hand protection Wear suitable protective gloves. (Chemical protective gloves tested according to EN374)

Eye protection Safety goggle with side protection

Body protection Work clothing (personal protective equipment)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Physical state	liquid
b) Colour	yellow
c) Odour	characteristic
d) Melting point/ freezing point:	N.A.
e) Boiling point:	N.A.
f) Flammability:	N.A.
g) Lower and upper explosive limits:	N.A.
h) Flash point:	N.A.
i) Ignition temperature:	N.A.
j) Decomposition temperature:	> 170 °C
k) pH (value):	6.0 – 7.5 at 20°C.
l) Kinematic viscosity	40 - 70 mm ² /s
m) Solubility:	Soluble in water.
n) n-octanol/water:	N.A. Product is a mixture.
p) Density:	1.115 - 1.155 kg/L at 20 °C.

q)	Relative vapour density:	N.A.
r)	Particle properties:	N.A.

9.2 Other information

No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Protect from heat and light.

10.5 Incompatible materials

No specific ones.

10.6 Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No further data.

SECTION 12: Ecological information

12.1 Toxicity

According to 1272/2008/EC: Not to be classified as hazardous to waters.

12.2 Process of degradability

No data available.

12.3 Bioaccumulative potential

Does not accumulate significantly in organisms.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No ingredient PBT/vPvB is present

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

RS 814.610 Regulation on the transport of waste (VeVA)

RS 814.600 Technical Regulation on Waste (VeVA)

RS 814.610.1 Regulation of the UVEK on lists for the transport of waste

Recycle if possible. Dispose of in officially approved landfills or incinerators. Proceed according to local and national regulations. Contact a local waste disposal service.

Product

Do not allow waste to enter the sewage system.
Do not contaminate ponds, waterways or ditches with chemicals or used containers.
Send to an authorized disposal service.

Packaging

Completely emptied containers must be sent to a suitable recycling facility (e.g. container recycling).

SECTION 14: Transport information

No dangerous goods according to the transport regulations.

14.1 UN number

N.A.

14.2 UN proper shipping name

N.A.

14.3 Transport hazard class(es)

N.A.

14.4 Packing group

N.A.

14.5 Environmental hazards

N.A.

14.6 Special precautions for user

N.A.

Road and rail transport (ADR-RID)

N.A.

Air transport (IATA)

N.A.

Maritime transport (IMDG)

N.A.

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

N.A.

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

- **Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)**
Not listed.
- **Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)**
Not listed.
- **Regulation 850/2004/EC on persistent organic pollutants (POP)**
Not listed.

- **Restrictions according to REACH, Titel VIII**
None.
- **List of substances subject to authorisation (REACH, Annex XIV)/SVHC-candidate list**
Not listed.
- **Seveso Directive (2012/18/EU (Seveso III))**
Not assigned.
- **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)-Annex II**
Not listed.
- **Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)**
Not listed.
- **Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)**
Not listed.
- **Regulation 98/2013/EU on the marketing and use of precursors to explosives**
Not listed.
- **Regulation 111/2005/ laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
Not listed.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of abbreviations
ADN	European Agreement concerning the international carriage of dangerous goods
ADR	European Agreement concerning the international carriage of dangerous goods by road
AwSV	Regulation on installations for handling substances hazardous to water
CAS	Database of chemical compounds and their unique key, the CAS Registry Number, Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, mutagenic or toxic to reproduction
DGR	Dangerous Goods Regulations
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IATA	International air transport association
IATA/DGR	Dangerous Goods Regulations for the air transport

ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
MARPOL	Marine Pollutant
NLP	No-Longer Polymer
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the international carriage of dangerous goods by rail
SVHC	Substance of Very High Concerns
vPvB	Very Persistent and very Bioaccumulative

The information contained in this safety data sheet is based on our knowledge at the time of publication. The information is intended for a safety and health assessment by a specialist. Regardless of this, the applicable national or local regulations must be complied with. There is no transferability to other products or to other substances which have been mixed with the product described in this safety data sheet.
