

Conforms to Regulation (EC) No. 1907/2006

PLEASE CONSULT PRIOR TO USE

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

FLOWAID SCC

Product description:

Liquid superplasticizer for use in GRC and concrete

Supplier:

Fibre Technologies International Ltd
Avonmouth Way
Avonmouth
Bristol
BS11 9YA United Kingdom
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F: +44 (0) 117 982 0060
E: info@fibrettech.org

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Type of product:

Mixture

Classification (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture

Additional labelling:

EUH210

Safety data sheet available on request
Contains 1,2-benzisothiazol-3(2H)-one, mixture of:5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), triisobutyl phosphate. May produce an allergic reaction.

EUR208

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION / INFORMATION ON THE COMPONENTS

3.2 Mixtures

No hazardous ingredients

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4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice:

No hazards which require special first aid measures

Eye Contact:

Flush eyes with water as a precaution. Remove contact lenses. Keep eye wide open while rinsing

Inhalation:

Move to fresh air

Skin Contact:

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water

If swallowed:

Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

See Section 11 for more detailed information on health effects and symptoms

Risks:

No known significant effects or hazards

4.3 Indication of any immediate medical attention and special treatment needed

Treatment:

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment

In the event of fire, wear self-contained breathing apparatus

Further information:

Standard procedure for chemical fires

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:

Wipe up with absorbent material (e.g cloth, fleece). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See section 8 for information on appropriate personal protective equipment.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling:

For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion:

Normal measures for preventative fire protection.

Hygiene measures:

When using do not eat or drink. When using do not smoke.

7.2 Conditions for safe storage, including incompatibilities:

Requirements for storage areas and containers:

Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Advice on common storage:

No special restrictions on storage with other products

Other data:

No decomposition if stored and applied as directed

7.3 Specific end use(s)

No data available

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Eye protection:

Safety glasses

Hand protection:

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
Butyl rubber/nitrile rubber gloves (0.4mm)
Recommended: Butyl rubber/nitrile rubber gloves.

Skin and body protection:

Protective clothing (e.g Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection:

No special measures required

Environmental exposure controls:

No special environmental precautions required

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Liquid

Colour:

Clear

Odour:

Characteristic

Odour threshold:

No data available

pH:

4

Melting point/range/freezing point:

No data available

Boiling point/boiling range:

No data available

Evaporation rate:

No data available

Flammability:

No data available

Vapour pressure:

No data available

Relative Vapour density:

No data available

Density:

1.09 g/cm³ at 20°C

Partition coefficient: n-octanol/water:

No data available

Auto-ignition temperature:

No data available

Viscosity:

Dynamic: 60 mPa.s

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<i>Viscosity, kinematic:</i>	>7mm ² /s at 40°C
<i>Oxidising properties:</i>	No data available
<i>Lower explosion limit (Vol-%):</i>	No data available
<i>Upper explosion limit (Vol-%):</i>	No data available
<i>Water solubility:</i>	Soluble

10. STABILITY AND REACTIVITY

<i>10.1 Reactivity:</i>	No dangerous reaction known under normal conditions of use
<i>10.2 Chemical stability:</i>	The product is chemically stable
<i>10.3 Possibility of hazardous reactions:</i>	No hazards to be specifically mentioned
<i>10.4 Conditions to avoid:</i>	No data available
<i>10.5 Incompatible materials:</i>	No data available
<i>10.6 Hazardous decomposition products:</i>	No decomposition if stored and applied as directed

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

<i>Acute toxicity:</i>	Not classified based on available information
<i>Skin corrosion/irritation:</i>	Not classified based on available information
<i>Serious eye damage/eye irritation:</i>	Not classified based on available information
<i>Respiratory or skin sensitisation:</i>	Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information
<i>Germ cell mutagenicity:</i>	Not classified based on available information
<i>Carcinogenicity:</i>	Not classified based on available information
<i>Reproductive toxicity:</i>	Not classified based on available information
<i>SOTO – Single exposure:</i>	Not classified based on available information
<i>STOT – Repeated exposure:</i>	Not classified based on available information
<i>Aspiration toxicity:</i>	Not classified based on available information

12. ECOLOGICAL INFORMATION

<i>12.1 Toxicity:</i>	No data available
<i>12.2 Persistence and degradability:</i>	No data available

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12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Results of PBT and vPvB assessment: Product:	Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licenced waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
European Waste Catalogue (EWC) Waste code:	16 10 02 aqueous liquid wastes other than those mentioned in 16 10 01

14. TRANSPORT INFORMATION

International transport regulations

ADR:	Not dangerous goods
IMDG:	Not dangerous goods
IATA:	Not dangerous goods
14.6 Special precautions for user:	No data available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific to the substance or mixture.

Prohibition/Restriction

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Not applicable

REACH – Candidate list of substances of Very High Concern for Authorisation (Article 59):

None of the components are listed ($\Rightarrow >0.1\%$)

REACH – List of substances subject to authorisation (Annex XIV):

Not applicable

REACH information:

All substances contained in our products are

- Preregistered or registered by our upstream suppliers, and/or
- Preregistered or registered by us, and/or
- Excluded from the regulation, and/or
- Exempted from the regulation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

Not applicable

*VOC-CH (VOCV)
VOC-EU (Solvent)*

<0.01% no VOC duties
<0.01%

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002
Control of substances Hazardous to Health Regulations 2002
Health and Safety at Work Act 1974
The Environmental Protection Act 1990 & subsidiary regulations
The Management of Health and Safety at work Regulations 1999

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15.2 Chemical Safety Assessment

The product contains substances for which
Chemical Safety Assessments are still required.

16. OTHER INFORMATION

Abbreviations and acronyms:

ADR – Accord europeen relative au transport international des marchandises Dangereuses par Route

CAS – Chemical Abstracts Service

DNEL – Derived no-effect level

EC50 – Half maximal effective concentration

GHS - Globally Harmonized System

IATA – International Air Transport Association

IMDG – International Maritime Code for Dangerous Goods

LD50 – Median lethal dosis (the amount of material, given all at once, which causes the death of 50% (one half) of a group of test animals

LC50 – Median lethal concentration (concentrations of the chemical in air that kills 50% of test animals during the observation period)

MARPOL – International Convention for the Prevention of Pollution from Ships 1973 as modified by the Protocol of 1978

OEL – Occupational Exposure Limit

PBT – Persistent, bio accumulative and toxic

PNEC – Predicted no effect concentration

REACH – Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Regulation, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC – Substances of very high concern

vPvB – Very persistent and very bioaccumulative

Notice to reader

The information contained in this safety data sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.