

MATERIAL SAFETY DATA SHEET
Date of Issue 19/11/2008

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)

Please consult prior to use.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FLOWAID SCC**
Product Description: Liquid superplasticizer for use in concrete
Supplier: Fibre Technologies International
Avonmouth Way, Avonmouth
Bristol BS11 9YA
T: +44 (0)117 982 5855
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E: info@fibrectech.org

2. COMPOSITION / INFORMATION ON THE COMPONENTS

Hazardous Components in Product: The product does not contain any substances classified as hazardous under current regulations

Chemical Characteristic: Aqueous polymer solution
CAS No./EINECS:

3. HAZARD IDENTIFICATION

Main Hazards: None – Not classified as dangerous according to Directive 1999/45/EC and its amendments

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

4. FIRST-AID MEASURES

Inhalation: Obtain medical attention if symptoms occur

Ingestion: Do not induce vomiting unless directed to do so by a medical personnel. Maintain an open airway. Seek immediate medical attention.

Skin contact: Flush contaminated skin with plenty of water. Removed contaminated clothing and shoes. Obtain medical attention if symptoms occur

MATERIAL SAFETY DATA SHEET

Date of Issue 19/11/2008

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)

Eye Contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any

contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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

5. FIRE-FIGHTING MEASURES

Extinguishing Media:

Suitable:

Use an extinguishing agent suitable for the surrounding fire

Not suitable:

None known

Special Exposure Hazards:

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous Combustion Products:

Decomposition products may include the following materials:

Carbon dioxide

Carbon monoxide

Metal oxide/oxides

Special protective equipment for fire fighters:

Fire fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see section 8)

Environmental Precautions and clean-up Methods:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large Spill:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent

MATERIAL SAFETY DATA SHEET

Date of Issue 19/11/2008

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treatment plant or proceed as follows.
Contain and collect spillage with non-combustible, absorbent material e.g. sand,

earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13)

Small spillages:

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container.

7. HANDLING AND STORAGE

Handling:

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use.

Storage:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Packaging materials:

Recommended:

Use original container

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit values:

No exposure limit value known

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace,

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atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures

and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure Controls:

Occupational exposure controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, drinking or smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before re-using.

Respiratory Protection:

No special measures required.

Hand Protection:

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Recommended: Butyl rubber/nitrile rubber gloves.

Eye Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

MATERIAL SAFETY DATA SHEET

Date of Issue 19/11/2008

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)

Skin Protection:

Personal protective equipment for the body should be selected based on the tasks being performed and the risks involved and should be approved by a specialist before

handling this product. Recommended: Use barrier skin cream.

Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance

Form: Liquid
Colour: Amber
Odour: Odourless

Important Health, Safety and Environmental Information

pH: 4 to 6
Flash point °C: Closed Cup: Not applicable
Density: ~1.09 g/cm³ [20°C (68°F)]
Solubility: Soluble in the following materials: Water
Viscosity: Dynamic: 800mPa.s (800cP)

10. STABILITY AND REACTIVITY

Stability: The product is stable.
Conditions to avoid: No specific data.
Materials to avoid : No specific data.
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Potential Acute Health Effects:

Inhalation: May cause irritation.
Ingestion: Can cause gastrointestinal disturbances.

MATERIAL SAFETY DATA SHEET

Date of Issue 19/11/2008

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)

Skin contact: May cause skin irritation.
Eye contact: May cause eye irritation.
Chronic effects: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Environmental effects: Avoid contact of spilt material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: 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 via a licensed 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Packaging: Completely emptied packaging or practically empty packaging containing dried/cured residues, once relieved of all pressure can be disposed of in a non-hazardous way.

Packaging may still contain hazardous residues and disposal should be undertaken by a licensed waste disposal contractor.

Any disposal practice must be in compliance with local and national laws and regulations.

14. TRANSPORT INFORMATION

International Transport Regulations:
ADR: Not regulated
IMDG: Not regulated
Marine Pollutant: No

MATERIAL SAFETY DATA SHEET

Date of Issue 19/11/2008

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II – United Kingdom (UK)

IATA:

Not regulated

15. REGULATORY INFORMATION

EU Regulations

Classification and labelling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Classification:

This product is not classified according to EU legislation.

VOC Content:

VOC (w/w): 0%

National Regulations

Regulatory Information:

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3)
Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)
Health and Safety at Work Act 1974
The Environmental Protection (Duty of Care) Regulations 1991
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007

Guidance Publications:

Approved Code of Practice – Management of Health and Safety at Work, HSE General Approved Code of Practice to COSHH Regulations, HSE.

16. OTHER INFORMATION:

Date of Issue:

19/11/2008

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 Technical Data Sheet prior to any use and processing.