SAFETY DATA SHEET

Date 1.7.2016 Former date 29.11.2013

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

1.1 Product identifier

Trade name

Sem®Flow ELE 20

Company product code

REACH Registration number

None

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

The uses of the chemical

Construction industry chemical, concrete superplastisizer

Classification of economic activities	**42**
Use categories	**6**
The chemical can be used by the general public	**no**
The chemical is used by the general public only	**no**

1.3 Details of the supplier of the Safety Data Sheet

Supplier (manufacturer, importer, only representative, downstream user, distributor)

	Semtu Oy
Street address	Martinkyläntie 586
Postcode and post office	04240 Talma
Post-office box	PL 124
Postcode and post office	04201 Kerava
Telephone number	(09) 2747 950
Telefax	(09) 2710 020
Mailbox address	mailbox@semtu.fi
Finnish Business ID	0712087-3

1.4 Emergency telephone number (Finland)

+358 9 471 977 (direct) Poison information centre HUS, Haartmaninkatu 4, 00290 HYKS

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is not classified according to the CLP regulation.

2.2 Label elements

Not needed

2.3 Other hazards

None known

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Aqueous solution of polymethacrylate ether

Dangerous components

None

CAS/EYand Reach Reg.no's	Substance name	Concentration %	Classification

The full text of H-statements: see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

If symptoms persist consult doctor.

Inhalation

If exposed to excessive levels of mist, remove to fresh air and get medical attention if cough or other symptoms. develop.

Skin contact

Wash contaminated skin with soap and water. Get medical attention if irritation occurs.

Eye contact

Check for and remove any contact lenses. flus with running water for several minutes. Do not use eye ointment. Seek medical attention.

Ingestion

Do not induce vomiting. Immediately give two glasses of water, a little at time. Never give anything by mouth to an unconscious person. Call a physician. If vomiting occurs spontaneously, lower head below waist to prevent fluid from entering the lungs.

4.2 Most important symptoms and effects, both acute and delayed

No specific information.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Use extinguishing media suitable for surrounding materials.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Collect extinguishing water and prevent from entering environment. Cool the exposed containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Evacuate areas of nonessential personnel.

6.2 Environmental precautions

Prevent product from entering drinking water, waterways or streams.

6.3 Methods and material for containment and cleaning up

Collect leaking and spilled liquid in sealable containers. Large spills are collected by pumping.

6.4 Reference to other sections

See 7 section 7 and 8

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

In accordance with good industrial practice. Handle with care and avoid unnecessary personal contact. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed when not in use. Do not store in direct sunlight or rain. Storage temperature 0 - 40 °C.

7.3 Specific end use(s)

No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limit values

None

Other limit values

None known

DNEL

Not applicable

PNEC

Not applicable

8.2 Exposure controls

No specific requirements

Appropriate engineering controls

None needed

Eye / face protection

Wear safety glasses with side shields (EN 166). Eye wash facility/safety shower must be available.

Skin protection

Wear chemical resistant suit and rubber boots.

Hand protection

Chemical resistant gloves

Respiratory protection

Not needed in normal use.

Environmental exposure controls

Prevent product from entering in environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on physical and chemical properties

Appearance	Brownish liquid
Odour	Mild
Odour treshold	Not determined
pH	7,0 ±1 [20 °C]
Melting pint/freezing point	Not determined
Boiling point/boiling range	100 °C
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limit	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	ca. 1,05 g/cm^3 [20 °C]
Solubility(ies), water	Soluble
partition coefficient n-oktanol/water	Not applicable
Auto-ignition temperature	Not self-igniting
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Non-explosive
Oxidising properties	No oxidizing properties

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
The product is stable.
10.2 Chemical stability
The product is stable.
10.3 Possibility of hazardous reactions
None known.
10.4 Conditions to avoid
None known.
10.5 Incompatible materials
Iron.
10.6 Hazardous decomposition products
None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity (LD50): 2000 mg/kg (rat). Based on data of similar products.

Skin corrosion/irritation

Not irritating. Classification criteria are not met.

Serious eye damage/irritation
Not irritating.
Respiratory or skin sensitisation
No sensitising effects known.
Germ cell mutagenicity, carcinogenicity reproductive toxicity
STOT-single exposure
Classification criteria are not met.
STOT-repeated exposure
Classification criteria are not met.
Aspiration hazard
Toxicological information not available.
Other information
No further relevant information

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
EC50 >100 mg/l [48 h]
12.2 Persistence and degradability
Poorly biodegradable.
12.3 Bioaccumulative potential
No information available. Prevent from entering environment.
12.4 Mobility in soil
No information available.
12.5 Results of PBT and vPvB assessment
Criteria are not met.
12.6 Other adverse effects
None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Residues
Dispose of according to the local applicable regulations.
Packages

Cleaned packages can be recycled. Packages with residue dispose according to the local applicable regulations.

Waste code

Not known.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

14. UN number

None

14.2 UN proper shipping name

None

14.3 Transport hazard class(es)

None

14.4 Packing group

None

14.5 Environmental hazards

None

14.6 Special precautions for user

None

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

None

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Indication of changes

Updated according to the CLP regulation.

Abbreviations and acronyms

None

Key literature references and sources for data

Raw material manufacturer's safety data sheet Jan 7, 2013

Used method in evaluating classification

See 2.2

List of relevant safety statements

None