



# Material SAFETY DATA SHEET

## Flocrete SP5000S

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flocrete SP5000S**

Description: High range water reducing superplasticiser admixture specially designed for precast concrete

Manufacturer: **Ayla Construction Chemicals**  
P.O. Box 1117, Amman 11118 Jordan  
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Date Prepared: 19.08.08

MSDS Number: DCP/01/03/20

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Aqueous solution of Naphthalene sulfonic acid, Sodium isocyanate and Formaldehyde.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Sodium thiocyanate	Xn	R20/21/22, 32, 52/53	540-72-7	5 - 25

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation, in contact with skin and if swallowed.  
Contact with acids liberates very toxic gas.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn. R20/21/22, 32, 52/53.

### 4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention if irritation persists.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Inhalation: Remove from exposure and move to fresh air immediately.

Ingestion: Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water.



## 5: FIRE FIGHTING MEASURES

Flash Point:	None, not flammable.
Special Exposure Hazards:	None.
Extinguishing Media:	As surrounding fire.
Personal Protective Equipment:	Self – contained breathing apparatus.

## 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent and remove by best available means. Dispose of as waste. Prior consent must be obtained from the local water company if discharged to sewer.

## 7: HANDLING AND STORAGE

Handling:	Avoid skin and eye contact.
Storage:	Store in cool and dry area. Protect from frost.

## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Contact:	Safety glasses/goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Respiratory Protection:	Unlikely to happen.
Engineering Controls:	No specific ventilation requirement noted.
Exposure Guidelines:	None assigned.

## 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Brown
Odour:	Slight
Boiling Point (°C):	> 100
Flash Point (closed cup) (°C):	None
Autoflammability (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	-8
Relative Density (@25°C):	1.23 – 1.25
Water Solubility:	Soluble



## 10: STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Decomposition Products: Thermal decomposition yields Carbon, sulfur and Nitrogen oxides. Contact with acids liberates very toxic gas.

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.

### Health Effects

On Eyes: May cause slight transient irritation.

On Skin: Slight irritation on brief occasional exposure.

By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures.

By Ingestion: Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

Chronic: Long term skin contact may cause some local irritation.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed off as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Soluble in water.

Degradability: Expected to be readily biodegradable.

Bioaccumulation: Not expected to be bioaccumulative.

Acute Fish Toxicity: Expected to be ecotoxic to fish/daphnia/algae.

## 13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose off through an authorized waste contractor to licensed site.

Used/ Contaminated Product: As for unused product.

Packaging: May be steam cleaned and recycled.

## 14: TRANSPORT INFORMATION

This product is **not** classified as dangerous for transport.

## 15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

Contains:

Naphthalene sulfonic acid, sodium isocyanate and formaldehyde.

Risk Phrases:

- |           |   |
|-----------|---|
| R20/21/22 | Harmful by inhalation, in contact with skin and if swallowed.                                 |
| R32       | Contact with acids liberates very toxic gas.  |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Safety Phrases:

- |        |   |
|--------|---|
| S13    | Keep away from food, drink and animal feeding stuffs.                               |
| S36/37 | Wear suitable protective clothing and gloves.                                       |
| S50A   | Do not mix with acids.  |
| S61    | Avoid release to the environment. Refer to special instructions/safety data sheets. |

## 16: OTHER INFORMATION

Issue Date:

08/09/2013

Revised Date:

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.