



Material SAFETY DATA SHEET

Flocrete Antifreeze 100

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Flocrete Antifreeze 100**
Description: Cold weather concreting admixture
Manufacturer: **Ayla Construction Chemicals**
P.O. Box 1117, Amman 11118 Jordan
Tel. + 962 6 5338891 Fax: + 962 6 5338829
www.dcp-int.com
Date Prepared: 23.06.11
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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Aqueous solution of calcium ammonium nitrate.
Hazardous Ingredient(s): None of the significant ingredients of this product are classified as hazardous.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

No significant hazard.

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention if irritation persists.
Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation: Remove from exposure – unlikely to occur.
Ingestion: Wash out mouth with water. Don't induce vomiting. Obtain medical attention.



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:	Yellowish/light brown
Odour:	Slight
Boiling Point (°C) :	> 100
Flash Point (closed cup) (°C):	None
Autoflammability (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	-32
Relative Density (@25°C):	1.35 – 1.37
Water Solubility:	Soluble



10: STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: None.

Hazardous Decomposition Products: Thermal decomposition yields carbon, sulfur and nitrogen oxides.

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:

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

Safety Phrases:

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16: OTHER INFORMATION

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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.