



Material SAFETY DATA SHEET

Hyperplast ES901

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Hyperplast ES901**

Description: High performance early strength concrete hyperplasticiser

Manufacturer: **DCP Saudi Co**

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MSDS Number: DCP/01/04/27

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Polycarboxylate, water.

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: None.

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:	Brownish
Odour:	Slight /faint
pH (concentrate):	$\cong 7.0$
Boiling Point (°C):	> 100
Flash Point (closed cup) (°C):	None
Autoflammability (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	$\cong -11$
Relative Density (@25°C):	1.04 ± 0.02
Water Solubility:	Soluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Temperature below 0°C.
Chemical Incompatibility:	Oxidizing agents. Strong acids, strong alkalis.
Hazardous Decomposition Products:	Thermal decomposition yields carbon oxides.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 2000 mg/kg.

Health Effects

On Eyes:	May cause slight transient irritation.
On Skin:	Unlikely to irritate 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 short term 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

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.