The Synthetic Latex Company (Pty) Ltd
Reg No 67/00264/07

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MATERIAL SAFETY DATA SHEET

Date issued: September 2009

1. Product Identification:

Trade Name:	SAVINEX 7104.
Active Ingredient:	Acrylic ester copolymer.
Synonyms:	Acrylic latex, acrylic binder.
Chemical Family:	Poly-acrylic latex.

2. Composition:

Chemical characterization: Water-borne acrylic ester copolymer dispersion.

3. Hazards Identification:

EEC Classification:	Not hazardous according to EEC criteria.
Toxicity Class:	This product is not hazardous according to EEC criteria.

4. First Aid Measures:

Eye Contact:	Irrigate immediately with water for at least 5 minutes.
Skin Contact:	Wash off in flowing water or shower, if available.
Ingestion:	Never give fluids or induce vomiting if patient is unconscious or is having convulsions.
Inhalation:	No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

5. Fire Fighting Measures:

Extinguishing Media:	Water fog or fine spray. Carbon dioxide. Foam. Dry chemical.
Fire Fighting:	Will not burn until water is evaporated.
Special Hazards:	Will not burn until water is evaporated. Upon burning, the dry product generates dense, black smoke.
Protective Clothing:	Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).

6. Accidental Release Measures:

Personal Precautions: Wear adequate personal protective equipment, see section 8, Exposure Controls/ Protection.

Environmental Precautions: Not Available.

Small Spills: Flush away with large quantities of water.

Large Spills: Contain with dike. Recover if possible, or divert to pond and allow to dry.

7. Handling & Storage:

Suitable Material: Not Available.

Handling Precautions: Good general ventilation should be sufficient for most conditions.

Storage Precautions: This product must be protected from freezing and exposure to temperatures exceeding 40℃. Store at room tempera ture. Product may develop bacterial odours upon long-term storage.

8. Exposure Control & Personal Protection:

Engineering Control Measures: Good general ventilation should be sufficient for most conditions.

Personal Protection: Not Available.

Respiratory: For most conditions, no respiratory protection should be needed; however in misty atmospheres, use an approved mist respirator.

Eye: Use safety glasses.

Skin: No precautions other than clean body-covering clothing should be needed. Use gloves, impervious to this material, when prolonged or frequently repeated contact could occur.

Other Protection: Not Available.

9. Physical & Chemical Properties:

Appearance: Emulsion, milky white liquid with weak odour.

PH: 8.0 – 10.

Boiling Point: 100℃ (water).

Melting Point: Not Avaliable.

Freezing Point: 0℃ (water).

Water: Miscible with water in all proportions.

10. Stability & Reactivity:

Stability / Conditions to Avoid: Stable under normal handling and storage conditions. May coagulate if frozen (0℃). The dry resin is combus tible.

Incompatible Materials: Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

Hazardous Decomposition Products: Not Available.

11. Toxicological Information:

Based on actual testing or on data for similar material(s).

Acute Toxicity: Not Available.

Acute oral LD50: Single dose oral toxicity is considered to be low. The oral LD50 for rats is >2000mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Acute dermal LD50: The LD50 for skin absorption in rats is >2000mg/kg.

Acute inhalation LC50: No adverse effects are anticipated from mild inhalation.

Skin & Eye Contact: Not Available.

Acute skin irritation: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

Acute eye irritation: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

Dermal sensitisation: Not Available.

12. Ecological Information:

Aquatic Toxicity: Not Available.

Fish: Acute fish toxicity, 48 h, LC50 380mg/ℓ.

Biodegradability: Chemical oxygen demand 1000 - 2000g/ℓ. Biochemical oxygen demand, BOD5 at 0,1% 150 - 300mg/ℓ.

13. Disposal Considerations:

Disposal Methods: Waste product should not be discharged directly into drains or waterways without treatment. The polymer content may be separated in a suitable coagulation and purification plant: details available on request.

Disposal of Packaging: Disposal of product, solid waste and packaging should always comply with local, national or EC regulations and be undertaken by an authorised contractor.

14. Transport Information:

The product is not classified as hazardous according to International Transport Regulations.

15. Regulatory Information:

The product is not classified as dangerous according to EC Directive 88/379/EEC (including subsequent amendments) and requires no special labelling.

16. Other Information:

"All information and instructions provided in this Material Safety Data Sheet ("MSDS") in respect of the substance is given solely in terms of the provisions of the Occupational Health and Safety Act No 85 of 1993 and Regulations ("the Act"), is based on scientific and technical knowledge as at the date indicated on this MSDS, and is presented in good faith to be correct.

The information and instructions provided in this MSDS apply only to the substance in its present form and not to any formulation or mix, in which event it is the sole responsibility of the user of the substance as formulated and/or mixed to investigate and establish any danger which may arise out of its use, wherever such user may be situate.

It is the sole responsibility of the person in receipt of this MSDS, wherever such recipient may be situate, to ensure that the information provided is communicated to and understood by any person who may come in contact with the substance in any place and in any manner whatsoever. If such recipient produces formulations or mixes using the substance, then it is such recipient's sole responsibility to comply with the provisions of the Act in respect of the provision of the necessary MSDS, or to comply with any other applicable legislation."