



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

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MATERIAL SAFETY DATA SHEET

Date issued: 22 February 2006

1. Product Identification:

Trade name: SAVINEX 2114.
SAVINEX 5265.
SAVINEX 6500.

Active Ingredient: Emulsion Styrene Butadiene co-polymer.

Chemical family: Styrene Butadiene latex.

Chemical name: Emulsion Styrene Butadiene co-polymer.

Synonyms: Styrene Butadiene latex.

Chemical abstract no: Not applicable.

NIOSH no.: Not applicable.

UN no: Not applicable.

2. Composition:

Hazardous components: This product is not hazardous according to EEC criteria.

EEC classification: Styrene / butadiene polymer dispersed in water.

R Phrases: Not applicable.

3. Hazards Identification:

Main hazard: This product is not hazardous according to EEC criteria.

4. First-aid Measures:

Product in eye: Irrigate immediately with water for at least 5 minutes.

Product on skin: Wash off in flowing water or shower.

Product ingested: No adverse effects anticipated by this route of exposure.

Product inhaled: Never give fluids or induce vomiting if patient is unconscious or is having convulsions. No adverse effects anticipated by this route of exposure.

5. Fire-fighting Measures:

- Extinguishing media: Will not burn until water is evaporated. Water fog or fine spray, Carbon dioxide. Foam, Dry chemical.
- Special hazards: 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: Prevent contamination of surface and groundwater.
- 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 and Storage:

- Suitable material: Not Applicable.
- Handling/storage precautions: Good general ventilation should be sufficient for most conditions.
- This product must be protected from freezing and exposure to temperatures exceeding 40°C. Store at room temperature. Product may develop bacterial odours upon long-term storage.

8. Exposure Control/Personal Protection:

- Occupational exposure limits: Not Applicable.
- Engineering control measures: Good general ventilation should be sufficient for most conditions.
- Personal protection - respiratory: For most conditions, no respiratory protection should be needed; however in misty atmospheres, use an approved mist respirator.
- Personal protection - hand: Use gloves, impervious to this material, when prolonged or frequently repeated contact could occur.
- Personal protection - eye: Use safety glasses.
- Personal protection - 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 Applicable.

9. Physical and Chemical Properties:

Appearance:	Milky white emulsion high solids latex.
Odour:	Practically odourless.
Solid Content:	Aftex 2114 / SAVINEX 5265 / SAV 6500 64 – 66% SAV 4201 39-41%.
pH:	10,0 – 11,0.
Boiling point:	100°C (water).
Freezing Point:	0°C.
Solubility - water:	Miscible in all proportions.

10. Stability and Reactivity:

Conditions to avoid:	Stable under normal handling and storage conditions. May coagulate if frozen (0°C). The dry resin is combustible.
Incompatible materials:	Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.
Hazardous decomposition products:	Not Applicable.

11. Toxicological Information:

Acute toxicity:	Acute oral LD50: Single dose oral toxicity is considered to be low. The oral LD50 for rats is >2000mg/kg. Acute dermal LD50: The LD50 for skin absorption in rats is >2000mg/kg. Acute inhalation LC50: No adverse effects are anticipated from inhalation.
Skin and eye contact:	Acute skin irritation: Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation.
Acute eye irritation:	May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.
Dermal sensitisation:	Skin absorption is unlikely due to physical properties.

12. Ecological Information:

Aquatic toxicity - fish:	Acute fish toxicity, 48 hr, LC50: 380mg/l. Inhibition of bacterial growth, (DIN 30310): >125g/l. These ecological data are typical values generated from a prototype of this product:
Chemical oxygen demand:	1000 - 2000g/l.
Biochemical oxygen demand:	BOD5 at 0,1% : 150 - 300mg/l. Elimination of dissolved organic carbon. (OECD modified Zahn-Wellens test): 98% after 2 days.

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:

This 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:

The Material Safety Data Sheet conforms to EC Directives 91/133/EEC and 93/112/EC.

Prepared By: Xcellent Ideas CC.

Approved By: James Cooks, Dr Amor Jordaan, J Stander.

"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 recipients 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."