

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY INFORMATION

- i) Product Information
 - Product Name : Saffrokol 3001 Supercrete URP
 - Physical form : Liquid
 - Colour : Milky White
- ii) Company Information
 - Manufacturer : Pankaj Petrochemical Pvt. Ltd.
 - Address : VPO Titoli, Jind Road Rohtak, Haryana, India.
 - Tel : +91 8607650126
 - Mail : info@saffrokol.com

2. HAZARDS INFORMATION

- i) Particular indication of danger : On available date the product can be considered as non-toxic, non-harmful, non-irritating, non-corrosive and non-oxidizing.
- ii) Ecological information : See section 12

3. COMPOSITION/ INGREDIENT COMPONENTS

Aqueous dispersion of a styrene-butadiene copolymer containing carboxyl groups.

4. FIRST-AID MEASURES

- i) Inhalation : No Applicable
- ii) Skin contact : In extreme cases : Irritation remove contaminated clothing. wash skin with water and soap.
- iii) eyes contact : In extreme cases : Irritation irritate eyes with plenty of water at least 10 mins. Obtain medical assistance if symptoms persists
- iv) Swallowing : Nausea. Clear mouth, nose and throat. seek as soon as medical assistance.

5. FIRE FIGHTING MEASURES

- i) Fire Hazard : Product is water based and in wet form its fire hazard is low. The dried product is combustible. Decomposition product can be toxic.
- ii) Extinguishing media : Water, foam, CO₂, sand and all extinguishing media are suitable. protective clothing and self-contained breathing equipment should be available for fireman. to prevent environmental damage, if possible collect water used to extinguish the fire in containers.

6. ACCIDENTAL RELEASE MEASURES

- i) Personal protection : Wear PVC-gloves and goggles to contain spills. Avoid repeated skin contact
- ii) Environmental precautions : Prevent the product contamination soil and groundwater. Prevent the Product entering sewers and waterways. cfr. Section 12. Large spillages : contain and pump into containers Small spillages : absorb on sand, earth and collect into containers for disposal. Disposal should always comply with local, national or EEC regulations. cfr. section 13.

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7. HANDLING AND STORAGE

- i) Handling : Good industrial and personnel hygiene practice should be followed. no eating and drinking in the workplace. ensure adequate ventilation.
- ii) Storage : protect from frost and direct sunlight.
Drums and bottles : material is plastic or steel.
Bulk tanks : stainless steel, aluminum, plastic coated materials. Clean bulk tanks periodically to prevent accumulation of bacteria.
- iii) Specific use : Use the best available methods of handling our products whereby employees enjoy maximum safety and whereby the environment is minimally affected.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- i) Exposure limit values : No danger in normal ambient conditions.
There are no specific limiting values for professional exposure.
There are no biological limiting values.
Users should determine the conditions for safe use of the products. cfr. Section 7 "Handling"
- ii) Exposure controls : Respiratory protection : Not applicable
 - Occupational exposure : Hand Protection : waterproof PVC-gloves (CE)
 - Controls : Eye protection : goggles or safety glasses (CE)
 - Skin protection : Not applicable.
 - Avoid repeated skin contact.
- Environmental exposure : The Product must not be discharged directly into drains or waterways without Controls Treatment.

9. PHYSICAL AND CHEMICAL PROPERTIES

- i) Physical state : SBR latex modified viscous liquid
- ii) Color : Milky White
- iii) pH value : 9 ± 1
- iv) Specific Gravity : 1.10 ± 0.02 Kg/L
- v) Compressive Strength : ≥ 40.0 N/mm² @ 28 days ("Specific Mix Design)
- vi) Solids : $\geq 45\%$
- vii) Bond Strength : ≥ 4.50 N/mm²
- viii) Tensile Strength : ≥ 3.50 N/mm²
- ix) Adhesion to Concrete : ≥ 2.1 N/mm² (Concrete Failure)
- x) Water Resistance : Up to 3 bar pressure

10. STABILITY AND REACTIVITY

- i) Conditions to avoid : Stable under the recommended storage conditions. Cfr. section 7 "Storage"
Bacterial degradation can occur if the product is stored for an unusually long period or is stored under unsuitable conditions.
- ii) Materials to avoid : Avoid strong acids and materials which react with water.
- iii) hazardous decomposition : C O_x, and possibly other toxic vapors in case of fire.

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11. TOXICOLOGICAL INFORMATION

On product : Low toxicity is indicated by available date.
Under normal industrial conditions, there is no indication that the product can be considered as a health risk.
Skin contact should be avoided to prevent possible long - term or short - term Sensitation.

12. ECOLOGICAL INFORMATION

- i) Ecotoxicity : The product is miscible with water and as such could cover considerable distances if spilled into waterways. Even a small spillage will whiten the appearance of water.
: W a t e r for sewage treatment, that has been contaminated with small quantities of the product, will not affect the biomass. High concentrations may be harmful to fish and micro - organisms.
- ii) Mobility : Not established.
- iii) Persistence and degradability : There is only a low environmental degradation of the product.
- iv) Bio accumulative potential : There is seemingly no tendency for bioaccumulation.
- v) Other adverse effects : Unknown.

13. DISPOSAL CONSIDERATION

The product must not be discharged directly into drains or waterways without treatment.
The Polymer content can be treated by various methods: filtration, coagulating and setting etc.
All product disposal should comply with local, national or EEC regulations.
Further information can be obtained from our environment Department.

14. TRANSPORT INFORMATION

General information : Not regulated

15. REGULATORY INFORMATION

The Product has no hazard classification and There is no labeling required.

16. OTHERS INFORMATION

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