

MATERIAL SAFETY DATA SHEET

MAKEEAN M748 EMULSION POLYMER

1. COMPANY DETAILS:

COMPANY: Makeean Polymers CC
PHYSICAL ADDRESS: 236 Propshaft Rd
Samcor Park
Pretoria
South Africa
TELEPHONE NUMBER: +27 12 8037180
FAX NUMBER: +27 12 8037102
EMERGENCY TELEPHONE NUMBER: +27 (0) 82 8000 788

2. PRODUCT DETAILS:

PRODUCT NAME: Water based Emulsion Polymer
DESCRIPTION: Styrene-acrylic emulsion polymers.
USE: Emulsion polymer for paint, adhesives and textile industry

3. PHYSICAL PROPERTIES:

APPEARANCE: Viscous liquid
COLOUR: Milky – Off White
WATER SOLUBILITY: Dispersible
BOILING POINT: 100°C (at sea level)

4. HAZARDS IDENTIFICATION:

Not Classified

5. FIRST AID MEASURES:

SKIN:

Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.

EYES:

Flush with copious volumes of water for 15 min. If irritation persists, seek medical attention.

INGESTION:

Drink large amounts of water or induce vomiting. Seek medical attention. Never give any fluids to an unconscious person or make them vomit.

INHALATION:

Is unlikely to occur.

EFFECT OF OVER EXPOSURE:

Skin: May cause irritation or rash.

Eyes: May cause irritation or redness.

6. FIRE & EXPLOSIVE HAZARDS:

FLAMMABILITY:

Being water based, the product is non-flammable. However, dried emulsion will burn producing carbon monoxide, carbon dioxide and sometimes oxides of nitrogen accompanied by dense black smoke.

EXTINGUISHING MEDIA:

Water, carbon dioxide or dry chemicals may be used. Fire fighters should wear self-contained breathing apparatus to avoid inhalation of smoke vapour.

7. HEALTH HAZARD DATA:

Product is not regarded as hazardous and for normal spillages on skin, clothing, etc. washing with water is adequate.

8. PROTECTION INFORMATION:**PERSONAL PROTECTION EQUIPMENT:**

Normal protective clothing (gloves and overalls) is usually adequate. Safety glasses are recommended.

VENTILATION:

Normal conditions of ventilation are usually adequate.

RESPIRATORY PROTECTION:

Respiratory equipment is not required unless handling the product in an enclosed area.

9. HANDLING AND STORAGE:

To ensure safe storage of Makeean emulsions, containers should be well sealed to prevent evaporation of water and the formation of skin on the surface. The emulsion should be stored under cover and at a temperature above freezing point. A storage period of not more than six months under these conditions is recommended.

Transferring the emulsions can be done using low shear pumps having inert contact surfaces, for example, stainless steel. Aeration should be avoided.

10. STABILITY & REACTIVITY:

The product is considered stable under normal conditions

11. TOXICOLOGICAL & ECOLOGICAL INFORMATION:

- LD50 (oral, rat) > 2000mg/kg
LD50 (skin, rat) > 2000mg/kg
 - Not readily biodegradable
-

12. DISPOSAL CONSIDERATION:**SPILLAGES OR LEAKS:**

Clean up with water before allowing to dry. Absorb spills with sand and/or rags. Bacteria can attack emulsions. They are not particularly toxic to fish or plants, but waste emulsion should not be discharged without treatment. This is achieved by coagulation with alum or calcium chloride.

WASTE DISPOSAL METHOD:

Settled solids are normally disposed of through contractors.

13. TRANSPORT REGULATIONS:

Proper Shipping Name: Emulsion Polymer

Not classified as hazardous for road transport.

14. REGULATORY INFORMATION:

This Safety Data Sheet is provided in compliance with the Chemicals (Hazard Information and Packaging) Regulations.

15. OTHER INFORMATION:

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH AND TO THE BEST OF OUR KNOWLEDGE, BUT NO WARRANTY, EXPRESSED OR IMPLIED IS MADE.
