

**Product:**

450MA100	Vernagel sachet
456MA475	Vernagel 475 gram bottle
456MA400	Vernagel 4 kg tub
456MA020	Vernagel 20kg box

**Description:**

A Super absorbent polymer for use in: suction bottles; disposable human waste receptacles; re-usable human waste receptacles; managing aqueous spillages

**Dosing Guidelines:**

Nature of liquid	Approximate recommended dosage
Suction bottle - saline with no heavy blood content	15 gms of powder per litre
Suction bottle - high blood content or glycine	30 gms of powder per litre
Suction bottle - high blood content where heparin present	45 gms of powder per litre
Vernacare disposable human waste receptacles	1 sachet of powder per 350 mls of fluid
Re-usable human waste receptacles	1 sachet of powder per 350 mls of fluid
Spillages	6 grams of powder per 350 mls of fluid

*This super absorbent powder is not effective when used with either Mercury or Chlorohexidine*

**Supplier:** Vernacare Ltd, Folds Road, Bolton, Lancashire, UK, BL1 2TX . Tel: 01204 529494 Fax: 01204 521862

**2. Composition:** Sodium Polyacrylate – A super absorbent polymer.

**3. Identification of Hazards:**

It is advised that risk assessments be carried out prior to use in relation to individual needs/applications. Some patients may require supervision during use. As with all chemicals care should be taken to ensure compatibility  
 Dust - Slipping hazard if in contact with water or high humidity. **CAUTION - MAY CAUSE BLOCKAGE OF THROAT AND AIRWAYS IF SWALLOWED**

**4. First Aid:**

Eye contact	Not an eye irritant. Irrigate the eye with plenty of water for at least 15 minutes. If any irritation persists obtain medical advice.
Ingestion	This product is non toxic by oral route. It is extremely unlikely that a sufficient quantity to cause any harm could be accidentally swallowed. Rinse mouth and then drink plenty of water. DO NOT EAT. If swallowed seek medical attention.
Skin contact	Wash the skin with soap and water as a precaution.
Inhalation	Clear any blocked airways. Remove to fresh air. If recovery is delayed, seek medical advice.

**5. Fire fighting:**

This media is not flammable. Use extinguishing media appropriate for the surrounding fire.

**6. Accidental release:**

Spillage of Gel - Use a suitable vacuum cleaner or sweep and shovel into a suitable container for disposal. After cleaning, flush area with water.

**7. Handling and Storage**

Do not eat, drink or smoke whilst handling the product. Do not inhale. If clothing becomes contaminated remove immediately and launder before re-use. Store in a cool dry area with adequate ventilation. Avoid wet and humid conditions. Shelf Life - 12 months from date of delivery.

**8. Exposure Controls**

Occupational The European Disposables and Non Woven Association (EDANA) recommended Industrial Hygiene Guideline is 0.05mg/m<sup>3</sup> respirable super absorbent polymer dust (particle size less than 10 microns) based on a NOEL (No Observed Effect Level of the 2 year inhalation study)

**9. Physical Properties:**

Appearance	White granular solid that is odourless
Density	Bulk kg/m <sup>3</sup> at 0C 700 +/- 30
pH	Approximately 6.0 (0.1% in 0.9% NaCl solution)
Solubility in water	Insoluble but swells to form a gel.
Melting Point	Decomposes

**10. Stability and Reactivity:**

The product is stable at ambient temperatures. Avoid extremes of temperature, wet and humid conditions.

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No special precautions other than good housekeeping of substances. Burning produces carbon oxidation bi-products.

**11. Toxicology Rationale**

Effect of substance:

On eyes	Not a primary eye irritant.
On skin	No evidence of skin irritation or sensitisation.
By ingestion	Non-toxic by oral route.
When inhaled	In the absence of chronic inflammation, tumours (acute effect) are not expected.

**12. Ecology:**

Incinerate or landfill in accordance with local regulations.

Ecotoxicity: This product is not considered harmful to aquatic organisms nor to cause long-term effects in the environment.

**13. Disposal:**

DO NOT tip the gelled substance into washbasins or sinks. The product can be emptied into a Vernacare macerator, a toilet or a slop hopper. The product can be incinerated. Otherwise dispose of the product in accordance with local regulations. In the UK disposal may be made to a licensed treatment/disposal site in accordance with the provisions of "The Environmental Protection Act 1990".

**14. Transport:**

Not subject to ADR/IATA/IMDG codes. Not classified for transport. HAZCEM Code - none.

**15. Regulatory Information:**

Product classified and safety data sheet produced according to EEC directives as implemented in the UK by the Chemicals (Hazard Information and Packaging) (Amendment) Regulations 2004.

**16. Country of Origin**

United Kingdom

**The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information.**

**The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.**



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