



**SAFETY DATA SHEET**  
**VERNAGEL SOLIDIFIER ABSORBANT POWDER**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier Trade name or designation of the mixture**

Vernagel Product Codes:

450SC100	Vernagel Sachet
456MA475	Vernagel 475g bottle
456MA400	Vernagel 4kg tub (V36-004)
456MA020	Vernagel 20kg box

**Issue date:** 13 October 2014

**Version number:** 14

**Revision date:** 06/06/2017

**Supersedes date:** February 2017

**Supplier:** Vernacare Ltd.  
Matrix Park,  
1, Western Avenue,  
Buckshaw Village,  
Chorley,  
PR7 7NB.  
Tel: 01204 529494.

**1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses:**

A super absorbent polymer for use in: suction bottles, disposable human waste receptacles, re-usable human waste receptacles and management of aqueous spillages.

**Uses advised against** Intentional and/or unintentional use below, especially containing food, drink, medicine,

- 1) In contacting with skin and dermal.
- 2) In being induced or absorbed in the body.

**1.3. Details of the supplier of the safety data sheet**

**Supplier:** As above

**1.4. Emergency telephone number:** 01204-529494

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification apply.

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

**Classification according to Regulation (EC) No 1272/2008 as amended**

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

**Classification according to Directive (EC) 1907/2006**

This preparation does not meet the criteria for classification according to Directive (EC) 1907/2006 as amended.

**Hazard summary:**

**Physical hazards:** Not classified for physical hazards.  
**Health hazards:** Not classified for health hazards.  
**Environmental hazards:** Not classified for hazards to the environment.  
**Specific hazards:** Dust may cause eye, skin and respiratory tract irritation.  
**Main symptoms:** Irritation. May cause skin irritation  
Some Patients may require supervision during use. Product may cause blockage of throat and airways if swallowed.

**2.2. Label elements**

**Label according to Regulation (EC) No. 1272/2008 as amended**

**Hazard pictograms:** None.  
**Signal word:** None.  
**Hazard statements:** The mixture does not meet the criteria for classification.  
**Precautionary statements:**  
**Prevention:** The product becomes slippery when wet.  
**Response:** P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.  
**Disposal:** For waste disposal, see Section 13.  
**Supplemental label Information:** Not applicable.

**2.3. Other hazards:** By heating and fire, toxic vapours/gases may be formed. Carbon monoxide. Carbon dioxide.

**SECTION 3: Composition/information on ingredients**

Sodium Polyacrylate: A super absorbent polymer  
**Composition comments:** Main component: Acrylic acid polymer sodium salt  $[\text{CH}_2\text{-CH}(\text{COOH})]_m\text{-}[\text{CH}_2\text{-CH}(\text{COONa})]_n$

**SECTION 4: First aid measures**

**General information:** Get medical attention if symptoms occur.

**4.1. Description of first aid measures:**

**Inhalation:** Move into fresh air and keep at rest. If breathing is difficult, give oxygen. Get medical attention if any discomfort continues.  
**Skin contact:** Flush contaminated area with plenty of water. Get medical attention promptly if symptoms occur after washing.  
**Eye contact:** Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.  
**Ingestion:** Remove the material from mouth. Rinse mouth thoroughly. Only induce vomiting at the instruction of medical personnel. Get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed:**

Dust may irritate the respiratory tract, skin and eyes. Choking, nausea, and stomach ache.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**General fire hazards:** Combustible.

**5.1. Extinguishing media:**

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media:** None known.

**5.2. Special hazards arising from the substance or mixture:**

By heating and fire, harmful vapours/gases may be formed.

**5.3. Advice for firefighter's Special protective equipment for firefighters**

Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Special fire- fighting procedures:**

Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers or drinking water supply. Use water spray to keep fire-exposed containers cool. Use standard firefighting procedures and consider the hazards of

other involved materials.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Avoid inhalation of dust and contact with skin and eyes. Avoid dust formation. Be aware of potential for surfaces to become slippery. The product becomes slippery when wet. Wear suitable protective clothing. For personal protection, see section 8.

**For emergency responders:** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions:** Do not discharge into drains, water courses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Dust:** Collect dust using a vacuum cleaner equipped with HEPA filter. Do not flush with water as it will make the floor slippery.

**Wet product:** Wipe up spilled material and place in a suitable container for disposal. Can be incinerated when in compliance with local regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

### 6.4. Reference to other sections:

See Section 8 for personal protective equipment. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Provide adequate ventilation. Avoid dust formation. Avoid inhalation of dust and contact with skin and eyes. Do not handle roughly. Avoid shock, dropping and dragging etc. Wear appropriate personal protective equipment. The product becomes slippery when wet. Observe good industrial hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

Provide adequate ventilation. Keep containers tightly closed. Store in a cool, dry place out of direct sunlight. Protect from moisture. Keep away from heat, sparks and open flame. Ground container and transfer equipment to eliminate static electric sparks. Do not store below 4 degrees C

## SECTION 8: Exposure controls/personal protection

### 8.1. Exposure controls Appropriate engineering controls:

Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust and vapours. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

### Individual protection measures, such as personal protective equipment

**General information** Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection:** Use tight fitting goggles if dust is generated.

### Skin protection

- **Hand protection:** Wear protective gloves. Suitable gloves can be recommended by the glove supplier.

- **Other:** Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear non-skid boots.

**Respiratory protection:** In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2).

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Environmental exposure controls:

Contain spills and prevent releases and observe national regulations on emissions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

**Physical state:** Solid.

<b>Form:</b>	Granular Powder.
<b>Colour:</b>	White.
<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	Not available.
<b>pH:</b>	6 - 8
<b>Melting point/freezing point:</b>	Not available.
<b>Initial boiling point and boiling range:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not applicable.
<b>Flammability (solid, gas):</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not available.
<b>Flammability limit – upper (%):</b>	Not available.
<b>Vapour pressure:</b>	Not applicable.
<b>Vapour density:</b>	Not applicable.
<b>Relative density:</b>	Not available.
<b>Solubility(ies):</b>	Swells in water.
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Auto-ignition temperature:</b>	> 400 °C (> 752 °F)
<b>Decomposition temperature:</b>	> 200 °C (> 392 °F)
<b>Viscosity:</b>	Not applicable.
<b>Explosive properties:</b>	Dust lower explosion limit: > 1200 g/m <sup>3</sup>
<b>Oxidizing properties:</b>	Not available.
<b>9.2. Other information:</b>	Electrical resistivity: 2.0E+8 Ωm Dust minimum ignition energy: > 1000 mJ
<b>Bulk density 0,6 - 0,9 g/ml</b>	

## SECTION 10: Stability and reactivity

- 10.1. Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2. Chemical stability:** Stable under normal temperature conditions and recommended use.
- 10.3. Possibility of hazardous reactions:** Absorbs water and becomes slippery. Dust may form explosive mixture with air.
- 10.4. Conditions to avoid:** Ignition sources. Keep away from moisture.
- 10.5. Incompatible materials:** None.
- 10.6. Hazardous decomposition products**  
During combustion: Carbon oxides. Organic vapour.

## SECTION 11: Toxicological information

- General information** Occupational exposure to the substance or mixture may cause adverse effects.
- Information on likely routes of exposure:**
- Ingestion:** May cause discomfort if swallowed.
- Inhalation:** Dust may irritate respiratory system.
- Skin contact:** Dust: May cause irritation through mechanical abrasion.
- Eye contact:** Dust may irritate the eyes.
- Symptoms;** Dust may irritate the eyes and the respiratory system. May cause redness and pain.
- 11.1. Information on toxicological effects**
- Acute toxicity:** May cause discomfort if swallowed.

## SECTION 12: Ecological information

- 12.1. Other adverse effects:** The product components are not classified as environmentally hazardous when used in conjunction with the manufacturer's instructions for use guidelines. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Residual waste:** Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
- Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied.
- EU waste code:** 16 03 06

Waste codes should be assigned by the user based on the application for which the product was used.

**Disposal methods/information:** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

## **SECTION 14: Transport information**

### **ADR**

The product is not covered by international regulation on the transport of dangerous goods.

### **RID**

The product is not covered by international regulation on the transport of dangerous goods.

### **ADN**

The product is not covered by international regulation on the transport of dangerous goods.

### **IATA**

The product is not covered by international regulation on the transport of dangerous goods.

### **IMDG**

The product is not covered by international regulation on the transport of dangerous goods.

Be careful for falling or damage in loading. Avoid contact with water and moisture. Avoid shipment with strong odoriferous things.

### **General**

## **SECTION 15: Regulatory information**

**15.1. Product classified and safety data sheet produced in accordance with EEC directives as implemented in the UK by the Chemicals (Hazard Information and Packaging (amendment) Regulations 2004**

## **SECTION 16: Other information**

### **Information on evaluation method leading to the classification of mixture**

The mixture is classified based on test data for physical hazards. The classification for health and environmental hazards are derived by a combination of calculation methods and test data, if available. For details, refer to Sections 9, 11 and 12.

**Training information:** Follow training instructions when handling this material.

**Further information:** All ingredients are either listed or exempt from listing on TSCA.  
All ingredients are either listed or exempt from listing on EINECS/ELINCS.  
All ingredients are either listed or exempt from listing on ENCS.

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

This safety data sheet covers the following products:

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