

Materials Safety Data Sheet

AbsorbaGel Page 1 of 2.

1. Identification of the Substance and of the Company:	
Trade Name:	AbsorbaGel
Product Type:	Super Absorbent Polymer, A water-soluble sachet containing a super absorbent polymer specifically engineered for rapid uptake and retention of body fluids
Company:	Opus Healthcare Ltd PO Box 8204 Ardleigh Colchester, CO7 7WH
Telephone:	01206 230741
Fax:	01206 230129
Code Numbers	Sachets 9900

2. Physical Data:	
Form:	Fine Powder
Average particle size	150um
Vapour Pressure	N/A
Melting softening point	N/A
Boiling Point	N/A
pH Value	N/A
Viscosity	N/A
Bulk Density	0.8 g/cm
Odour	None
Colour:	White
Solubility:	Insoluble but swells to form a gel in water

3. Hazardous Identification:	
<p>Manufactured from Polyvinyl Alcohol Film containing water-soluble plasticiser. The combination is a film with the required solubility and handling characteristics. One of the criteria that is used in the selection of raw materials is that there should be no toxicity hazard associated with them and to this end, the plasticiser used in the manufacture of the film is "food approved".</p> <p>Polyvinyl Alcohol Resin is itself biodegradable and the mechanism is believed to be that bacteria of the Genus Pseudomona, which break down the molecular chain to a level where the molecule can be absorbed into the body of the bacteria. The biodegradability of the Polyvinyl Alcohol Resin is by no means unique to this particular micro organism.</p> <p>Polyvinyl Alcohol itself is intrinsically inert to the human system and is widely used as an ingredient in adhesives and coatings that may come into direct contact with all kinds of food stuffs. Polyvinyl Alcohol is also used as the major constituent in stamp gums which are obviously directly ingested with no harmful effect.</p>	

4. First Aid Measures:	
On contact with eyes:	May cause slight irritation which will cease upon removal of the product. In the event of eye contact irrigate with water for 15 minutes. If any irritation persists obtain medical advice.
On skin contact:	The product is not a skin sensitiser or irritant and is not absorbed by the skin. In the event of skin contact wash contaminated area with soap and water.
If inhaled:	The product is non volatile but inhalation of any dust may cause irritation to the respiratory system. In the event of inhalation remove any material from the mouth and free the airway. Remove the patient to fresh air and maintain observation. If breathing has stopped apply artificial respiration. Obtain medical assistance immediately.

Materials Safety Data Sheet

AbsorbaGel Page 2 of 2.

4. First Aid Measures: Continued

On ingestion:	The product is of low toxicity and it is extremely unlikely that a sufficient quantity would be accidentally swallowed to cause any harm. In the event of ingestion water may be given to drink or used to wash out the mouth only if the patient is fully conscious and not convulsing. Do not give an emetic unless directed by a competent medical practitioner. Reassure the patient and obtain medical assistance immediately.
----------------------	---

5. Handling & Storage:

Storage Precautions:	Avoid wet, humid conditions. Ensure proper closure of sachet container.
Spillages:	Vacuum if possible to avoid generating airborne dust. Sweep up any spilled product and remove for disposal. Final traces and small spillages can be flushed away with water.

6. Exposure Controls:

Respiratory Protection:	Unlikely to be necessary where adequate ventilation is provided.
Eyes:	Unlikely to be necessary.
Hand:	Product is for use on the skin.
Skin:	Product is for use on the skin.

7. Physical & Chemical Properties:

Nature:	Free flowing granules	Appearance	White, granular
Odour:	Imperceptible	Residual monomer	300ppm
*Extract pH:	6.0	*Centrifuge retention capacity:	30 g/g
Moisture content:	5%	*Absorption under load	24 g/g
Bulk Density	0.08g/cm	*Free swell capacity	50 g/g

8. Toxicological Information:

Eye Irritation (Rabbits):	Non irritant
Skin Sensitivity (Guinea Pig):	No delayed hypersensitivity
Ames Test:	No mutagenic activity
Primary Skin Irritation (Rabbits)	Non irritant
Human skin patch test	Negative
Chronic Inhalation Study NOEL (no observed effect level)	0.05 g/m ²
Acute Oral Lethal Dose (Rats):	Above 5000 mg/kg

9. Disposal Recommendations:

Dispose of in accordance with local regulations in the UK. Disposal may be made to a licensed landfill site in accordance with the provisions of the Environmental Protection Action 1990.

Legal Disclaimer:

The information supplied herein is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for their purpose.