

**MATERIAL SAFETY DATA SHEET: DESAP****Issue Date:** August 2012**1. IDENTIFICATION OF THE SUBSTANCE/PREPARTION/COMPANY/UNDERTAKING****Product Name:** DESAP  
**Other Names:** SUPER ABSORBENT POLYMER**Company Details:** Global Spill Control Pty Ltd  
16 Halsey Road, Airport West  
Victoria 3042, Australia  
A.B.N 74 005 181 699  
Tel: (03) 9335 5366  
Fax: (03) 9335 4399  
International Tel: +61 3 9335 5366  
International Fax: +61 3 9335 4399  
Emergency Tel: (61) 419 579 054  
Email: info@globalspill.com.au**Recommended Use:** Water retention in soil**2. HAZARDS IDENTIFICATION****Hazard Classification** NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA  
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL ENTITY	CAS NO:	PROPORTIONS
Polyacrylate/Polyalcohol Copolymer		VHigh
Water	7732-18-5	Low

PROPORTION (% weight per weight):

VHigh &gt; 60, High 30-60, Med 10-29, Low 1-9, Vlow &lt;1

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove victim from exposure - avoid becoming a casualty. Seek medical advice if effects persist.
<b>Swallowed:</b>	Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.
<b>Skin:</b>	Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Eye:</b>	Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
<b>Advice to Doctor:</b>	Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
<b>Specific Hazards</b>	Combustible solid. In common with many organic chemical, may form flammable dust clouds in air. For precautions necessary refer to data sheet "Dust Explosion Hazards".
<b>Further Firefighting Advice:</b>	Combustible solid. On burning may emit toxic fumes. Firefighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent eye contamination and inhalation of dust. Sweep up, but avoid generating dust. Collect and seal in properly labeled drums for disposal. Wet material will become slippery and form swollen granules.

#### 7. HANDLING AND STORAGE

Store away from strong oxidising agents.  
Keep containers closed when not in use - check regularly for spills.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

No value assigned for this specific material by the National Occupational Health & Safety Commission (Worksafe Australia).

However, Exposure Standards for possible impurity:

<b>Name</b>	<b>TWA</b>		<b>STEL</b>		<b>CARCINOGEN NOTICES CATEGORY</b>
	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	<b>ppm</b>	<b>mg/m<sup>3</sup></b>	
Acrylic acid	2	5.9	-	-	sk

As published by the National Occupational Health and Safety Commission (Worksafe Australia).

TWA - the Time-Weighted Average airborne concentrations over an 8-hour working day, for a 5-day working week over an entire working life.

STEL (Short Term Exposure Limited) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal 8-hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, early all workers.

"Sk" notice - absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

### Engineering Measures:

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust respirator/mask. Keep containers closed when not in use.

### Personal Protection:

Avoid eye contact and repeated or prolonged skin contact. Wear overalls, safety glasses and impervious gloves. Avoid inhaling dusts. If dust exists, wear dust respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716, smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before store or re-using.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White, granular, free-flowing powder
<b>Solubility:</b>	Slightly soluble in water (swells)
<b>Bulk Density (20C)</b>	0.65
<b>Rel Vapour Density (air=1)</b>	N Av
<b>Flash Point (C)</b>	N Av
<b>Flammability Limits (%)</b>	N Av
<b>Autoignition Temp (C)</b>	N Av
<b>% Volatile by volume</b>	10
<b>Solubility in water (g/L)</b>	N Av
<b>Melting Point (C)</b>	Decomposes
<b>Boiling Point (C)</b>	N App
<b>Decomp. Point (C)</b>	> 230
<b>Sublimation Point</b>	N App
<b>pH (0.1 sq soln)</b>	7
<b>Viscosity</b>	N App
<b>Evaporation Rate (n-Butyl acetate=1)</b>	N Av

(Typical values only - consult specification sheet)

## 10. STABILITY AND REACTIVITY

Incompatible with strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

**Main symptoms: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:**

<b>Ingestion:</b>	No adverse effects expected, however, large amounts may cause nausea and vomiting.
<b>Eye Contact:</b>	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature.
<b>Skin Contact:</b>	Repeated or prolonged skin contact may lead to irritation.
<b>Inhaled:</b>	Inhalation of dust may result in respiratory irritation.
<b>Long Term Effects:</b>	No information available for product.

### Acute toxicity/Chronic Toxicity

<b>Oral LD50(rat):</b>	>2000 mg/kg
<b>EYE (rabbit):</b>	Non irritant
<b>SKIN (rabbit):</b>	Non irritant
<b>SKIN (human):</b>	Non irritant (Patch test)

**\*Results are those of a similar product.**

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

## 13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Authority. Normally suitable for disposal at approved land waste site.

## 14. TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

## 15. REGULATORY INFORMATION

Not classified as hazardous according to criteria of Worksafe Australia.  
Poisons Schedule (Aust) Toxic Substance (NZ): N/A - Not Applicable

## 16. OTHER INFORMATION

The information in this Data Sheet represents our current data and best opinion as to the proper handling of this product under normal circumstances. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user. Reasonable care has been taken in the preparation of this information, Global Spill Control Pty Ltd or its distributors extends no warranties, makes no representations and assumes no responsibility as to the suitability of such information for the purchaser's intended applications or for the consequences of its use. Customers are encouraged to conduct their own tests as to end use suitability of the product for particular uses.