



Green Science (Pty) Ltd
114 Boeing Road East, P.O. Box 5, Bedfordview, Gauteng, 2007,
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MATERIAL SAFETY DATA SHEETS

H2O Gel

Version: 1

Issued: 1 June 2026

CLASSIFICATION OF MATERIAL

Not classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

1.1 Product:

H2O Gel

1.2	UN Proper Shipping Name:	None allocated
1.3	Recommended Use:	H2O Encapsulate
1.4	Supplier:	Green Science (Pty) Ltd
1.5	Address:	114 Boeing Road East Bedfordview Gauteng 2007
1.6	Telephone Number:	010 312 5969
1.7	Email	sales@greaseoff.co.za
1.8	Emergency Telephone Numbers:	010 312 5969

2. HAZARDS IDENTIFICATION

2.1	Hazard Classification:	Non-hazardous Substance. Non-Dangerous Goods.
2.2	GHS Classification:	Not applicable.
2.3	Hazard Statements:	No hazard statements.
2.4	Prevention Statements:	Nil
2.5	Response Statements:	No response statements.
2.6	Storage Statements:	No storage statements.
2.7	Disposal Statements:	Dispose of waste material through The SoilClean Remediation Methodology.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion %
Poly Acrylic	9003-01-4	100%
Ingredients determined not to be hazardous		(Balance to 100%)

4. FIRST AID MEASURES

4.1 Description of Necessary First Aid Measures

Ingestion:

Immediately remove product from the mouth and rinse mouth out with plenty of water. Drink 1 or 2 glasses of water (or milk). If a large amount swallowed, or symptoms develop, obtain medical attention.

Eye:

Immediately hold the eyes open and wash with fresh running water for at least 15 minutes. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. Seek medical attention.

Skin:

Remove any contaminated clothing. Wash off with soap and water. If skin irritation occurs, seek medical attention.

Inhalation:

Remove from source of exposure. Monitor symptoms and progress to assess the need for medical attention.

4.2 Medical Attention and Special Treatment

First Aid Facilities:

No special facilities required.

Comments:

Treat according to person's condition and specifics of exposure.

Advice to Doctor: Treat symptomatically

5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Equipment:** Carbon dioxide, dry chemical powder, water spray or fog and foam may be used as extinguishing media.
- 5.2 Specific Hazards Arising From The Organic chemical:** Not Combustible

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Dust Mask
N/A
- 6.2 Environmental Precautions:** Dispose of waste material through The SoilClean Remediation Methodology.
- 6.3 Methods and Materials for Containment and clean up** N/A

7. HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**
- 7.2 Conditions for Safe Storage, Including Any Incompatibilities:** Store away from oxidising agents and strong acids

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 National Exposure Standards:** Not Listed
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Avoid combustible agents and acids
- 8.4 Personal Protective Equipment:** Dust Mask on application

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical Description / Properties**
- Appearance: Clear /Transparent Granules
- Odour: Organic
- pH: 7 – 7.6
- Viscosity (cP @ 25°C): Not applicable
- Vapor Pressure: Not applicable
- Vapor Density: Not applicable
- Boiling Point (°C): Not applicable
- Freezing Point (°C): Not determined
- Melting Point (°C): Not determined
- Solubility In Water (g/100 mL): Soluble
- Specific Gravity (@ 25°C): Not applicable
- Flash Point (°C): 80°C
- Lower Explosive Limit (%): Not determined
- Upper Explosive Limit (%): Not determined

10. STABILITY AND REACTIVITY

- 10.1 Reactivity:** N/A
- 10.2 Chemical Stability:** N/A
- 10.3 Conditions to Avoid:** N/A
- 10.4 Incompatible Materials and Possible Hazardous Reactions:** Strong oxidising agents and strong acids.
- 10.5 Hazardous Decomposition Products:** The Soil Clean Remediation Methodology Decomposes the hydrocarbons present.

11. TOXICOLOGICAL INFORMATION

- 11.1 Likely Route of Exposure:** ☐ Inhalation ☒ Skin contact ☒ Ingestion

11.2 Health Effects From Likely Route of Exposure:

Ingestion:	Low ingestion hazard in normal use. Considered an unlikely route of entry in commercial/industrial environments. Low toxicity. Large doses may result in nausea, vomiting, diarrhoea and gastrointestinal irritation.
Eye:	Direct contact may produce mild irritation to the eye causing some inflammation and lachrymation. Repeated or prolonged exposure may produce corneal damage or conjunctivitis.
Skin:	No significant irritation expected from a single short-term exposure. Itching, redness and rash may occur in susceptible individuals. The material may accentuate pre-existing skin conditions.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	N/A
12.2 Persistence and Degradability:	Biodegradable.
12.3 Bioaccumulation Potential:	N/A
12.4 Mobility in Soil:	Contaminate is decomposed
12.5 Other Adverse Effects:	No adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method:	SoilClean Remediation Methodology
13.2 Disposal of Contaminated	N/A Packaging:
13.3 Environmental Regulations:	Not relevant

14 .TRANSPORTATION INFORMATION

14.1 UN Number:	Not applicable.
14.2 Dangerous Goods Class:	Not applicable.
14.3 Environmental Hazards:	Not applicable.
14.4 HAZCHEM Code:	Not applicable.
14.5 Additional Shipping Information:	Not applicable.

15 . OTHER INFORMATION

15.1 Issue Date:	1 June 2026.
15.2 Contact Points:	
Title / Position:	Research & Development Manager.
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