

# Plant Gel

## Material Safety Data Sheet

Tradename  
Plant Gel  
(All Products)

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### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

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DNB Designs  
4164 Austin Bluffs Pkwy #207  
Colorado Springs, CO 80918  
Tel: 719-660-6500  
Fax: 719-637-3546  
E-Mail: [dnbdesigns@plantgel.com](mailto:dnbdesigns@plantgel.com)  
Web: [www.plantgel.com](http://www.plantgel.com)

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### 2. COMPOSITION / INFO. ON INGREDIENTS

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Identification of the preparation: Polyacrylamide Copolymer  
CASE NUMBER: N/A

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### 3. HAZARDS IDENTIFICATION

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The product, when wet, renders surfaces extremely slippery. The product swells in water.

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### 4. FIRST AID MEASURES

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Inhalation: No hazards that require special first aid procedures.

Skin Contact: No hazards that require special first aid procedures.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation occurs, consult a physician.

Ingestion: The product is not considered toxic based on studies on laboratory animals.

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## 5. FIRE FIGHTING PROCEDURES

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Suitable extinguishing media: Water, water spray, foam, carbon dioxide, dry powder.

Fire extinguishing agents to avoid: None

Special fire fighting precautions: The product, when wet, renders surfaces extremely slippery. The product swells in water.

Special protective equipment for firefighters: None

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## 6. ACCIDENTAL RELEASE MEASURES

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Personal precautions: No special precautions required.

Environmental precautions: Do not contaminate water supply.

Methods for cleaning up: Do not flush with water. Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

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## 7. HANDLING AND STORAGE

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Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of the workday.

Storage: Keep in a dry, cool place (0-35° C).

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## 8. EXPOSURE CONTROLS

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Engineering measures to reduce exposure: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protection equipment

- Respiratory protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m<sup>3</sup>.
- Eye protection: Keep away from eyes. Wear safety glasses with sideshields if dust is present.
- Skin and body protection: No special protective clothing required.
- Hygiene measures: Wash hands before breaks and at the end of the workday.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Form: Granular solid

Color: White

Odor: None

pH: Not applicable

Melting point (°C) Not applicable

Flash point (°C) Not applicable

Autoignition temp. (°C) Not applicable

Vapor pressure (mm Hg) Not applicable

Bulk Density 0.7 to .085

Water solubility: Insoluble

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## 10. STABILITY AND REACTIVITY

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Stability: Product is stable, no hazardous polymerization will occur.

Conditions to avoid: No special precautions required.

Materials to avoid: The product swells in water.

Hazardous decomposition products: Thermal decomposition may produce: hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NO<sub>x</sub>), carbon oxides.

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## 11. TOXICOLOGICAL INFORMATION

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Acute toxicity

- Oral: Not toxic: LD<sub>50</sub>/oral/rat > 5,000 mg/kg

- Dermal: Not toxic: LD<sub>50</sub>/dermal/rabbit > 2,000 mg/kg

Irritation

- Skin: Not irritating

- Eyes: Moderate eye irritation due to effects all powders have on conjunctivae.

Sensitization: Not sensitizing

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## 12. ECOLOGICAL INFORMATION

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Ecotoxicity: Ecological injuries are not known or expected under normal use. Aquatic toxicity is unlikely due to low solubility.

Persistence / degradability: Not readily biodegradable, < 10% after 28 days.

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### 13. DISPOSAL CONSIDERATIONS

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Waste from residues / unused products: In accordance with federal, state and local disposal or discharge regulations.

Contaminated packaging: Can be land-filled or incinerated, when in compliance with federal, state and local disposal or discharge regulations.

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### 14. TRANSPORT INFORMATION

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Not classified as dangerous in current transportation regulations.

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### 15. REGULATORY INFORMATION

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The product is not a hazardous article and need not be labeled according to EC Directives as mentioned.

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### 16. OTHER INFORMATION

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Person to Contact:

Donald Briere

President/Owner

DNB Designs

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Colorado Springs, CO 80918

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