



Material Safety Data Sheet

Product Name: *BountiGel™ G*

1. Substance/preparation and company identification

Product: *BountiGel™ G*

Company: *mOasis Inc.*
2217 Fifth Street
Berkeley, CA 94710
Tel: 510-736-4945

2. Composition/Information on Ingredients

Chemical name: potassium polyacrylate, crosslinked

3. Hazard Identification

CAUTION! WHEN REMOVED FROM ITS PACKAGE, POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES

HMIS Hazard Ratings: Health – 1, Flammability – 1, Chemical Reactivity – 0

HMIS ratings involve data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in this MSDS must be considered.

4. First-aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

Skin: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Seek medical advice

5. Fire-fighting Measures

Extinguishing media: water spray, dry chemical. Polymer absorbs water and becomes slippery when wet.

Special fire-fighting procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous combustion products: carbon dioxide, carbon monoxide

Unusual fire and explosion hazards: Powdered material may form explosive dust-air mixtures.

Sensitivity to static discharge: Material may accumulate a static charge which could act as an ignition source.

6. Accidental release measures

Sweep or scoop up and remove.

7. Handling and Storage

Personal precautionary measures: Avoid contact with molten material

Prevention of fire and explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries".

Storage: Keep container closed.

8. Exposure controls and personal protection

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

Respiratory protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1988. Respirator type: dust.

Skin protection: Use impervious gloves when handling the product in the manufacturing environment.

Eye protection: Wear safety glasses with side-shields or goggles.

9. Physical and chemical properties

Form: granules

Color: white

Odor: none

pH: approx. 6.8

Bulk density: approx. 0.79 g/ml

Vapor pressure: <15 mm Hg@20° C (68° F)

Boiling point: not established

Solubility (water): essentially insoluble

Freezing point: not applicable

Melting point: not established

Particle size: 0.6 – 2 mm

Flash Point: not applicable

10. Stability and reactivity

Chemical stability: This product is stable

Incompatibility: none

Hazardous decomposition: Combustion products are oxides of carbon

Hazardous polymerization: Will not occur

11. Toxicological information

Oral toxicity: LD50 rat: >5000 mg/kg

Dermal toxicity: LD50 rat: >2000 mg/kg

Skin irritation: Rabbit: No irritation

Eye irritation: Rabbit: very slight eye irritation – particle effect

Sensitization: Guinea pig: no sensitization

Acute Inhalation: inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs

Repeated dose toxicity: A chronic (two-year) lifetime inhalation study in rats, carried out with a respirable superabsorber polymer dust (micronized to <10 micron diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m³. In the absence of chronic inflammation, tumors are not expected.

Carcinogenicity: This product is not listed as a carcinogen by IARC, NTP or OSHA.

Additional information: The toxicity values above were derived from products of similar structure or composition.

12. Ecological Information

Biodegradability: Not readily degradable under aerobic conditions

Ciliate toxicity: *Tetrahymena pyriformis*: EC₅₀>6000 mg/l, 24 hour exposure

Bacterial toxicity: *Ps. Putida*: EC₅₀>6000 mg/l, 24 hour exposure

Fish toxicity: *Leuciscus idus*: LC₅₀>5500 mg/l, 96 hour exposure

Danio rerio: LC₅₀>4000 mg/l, 96 hour exposure

Additional information: The toxicity values above were derived from products of similar structure or composition.

13. Disposal Considerations

General Product Information: This product is a nonhazardous waste material suitable for approved solid waste landfills

Disposal instructions: Dispose of in accordance with local, state, and federal regulations.

14. Transport Information

This product is not a hazardous material and is not regulated by the United States Department of Transportation.

15. Regulatory Information

General product information: This product is not regulated as a hazardous material at the federal or state level

Component information: None of the components of this product are on state lists from CA, FL, MA, MN, NJ, or PA.

Inventory listing: 2-propenoic acid, homopolymer, potassium salt
USA TSCA – Yes
Canada- DSL

16. Other Information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.