

INTERNATIONAL POLYMERICS, INC.

MATERIAL SAFETY DATA SHEET

Product Trade Name: **PROGEL-4**

Revision Date: June 25, 2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: PROGEL-4
Synonyms: None
Chemical Family: Polysaccharide
Application: Gelling Agent and Thickener

Manufacturer / Supplier: International Polymerics, Inc.
P.O. Box 1018
Resaca, GA 30735
706-428-0884

Prepared By: International Polymerics, Inc.
706-428-0884

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	CAS NUMBER	PERCENT	ACGIH TLV-TWA	OSHA PEL-TWA
Guar Gum blend	9000-30-0	60-100%	Not Applicable	Not Applicable

3. HAZARDS IDENTIFICATION

Hazard Overview: May cause eye and respiratory irritation. May cause allergic respiratory reaction. Airborne dust may be explosive.

4. FIRST AID MEASURES

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin: Wash with soap and water. Get medical attention if irritation persists.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion: Under normal conditions, first aid procedures are not required.

Notes to Physician: Not applicable

5. FIRE FIGHTING MEASURES

Flash Point / Range (F):	Not determined Min: >200
Flash Point / Range (C):	Not determined Min: >93
Flash Point Method:	COC
Auto-ignition Temperature (F):	Not determined
Auto-ignition Temperature (C):	Not determined
Flammability Limits in Air – Lower (%):	Not determined
Flammability Limits in Air – Upper (%):	Not determined

Fire Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical.

Special Exposure Hazards: Decomposition in fire may produce toxic gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

Special Protective Equipment for Fire Fighters:

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings: Health 1, Flammability 0, Reactivity 0

HMIS Ratings: Flammability 0, Reactivity 0, Health 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:

Use appropriate protective equipment. Avoid creating and breathing dust.

Environmental Precautionary Measures:

Prevent from entering sewers, waterways, or low areas.

Procedure for Cleaning / Absorption:

Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust.

Storage Information: Store away from oxidizers. Store in a cool, dry location. Product has a shelf life of 24 months.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area.

Respiratory Protection: Not normally needed. But if significant exposures are possible then the following respirator is recommended: Dust / mist respirator. (95%)

Hand Protection: Normal work gloves.

Skin Protection: Normal work gloves.

Eye Protection: Wear safety glasses or goggles to protect against exposure.

Other Precautions: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Off white
Odor:	Bean
pH:	6.5 – 7.5
Specific Gravity @ 20 C (Water=1):	0.9
Density @ 20 C (lbs. / gallon):	Not determined
Bulk Density @ 20 C (lbs. / ft ³):	29
Boiling Point / Range (F):	Not determined
Boiling Point / Range (C):	Not determined
Freezing Point / Range (F):	Not determined
Freezing Point / Range (C):	Not determined
Vapor Pressure @ 20 C (mmHg):	Not determined
Vapor Density (Air=1):	Not determined
Percent Volatiles:	Not determined
Evaporation Rate (Butyl Acetate=1):	Not determined
Solubility in Water (g / 100ml):	Soluble
Solubility in Solvents (g / 100ml):	Not determined
VOCs (lbs. / gallon):	Not determined
Viscosity, Dynamic @ 20 C (centipoises):	Not determined
Viscosity, Kinematic @ 20 C (centistrokes):	Not determined
Partition Coefficient / n-Octanol / Water:	Not determined
Molecular Weight (g / mole):	Not determined

10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None anticipated
Incompatibility (Materials to avoid):	Strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide
Additional Guidelines:	Not applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure:	Eye or skin contact, inhalation.
Inhalation:	May cause respiratory irritation. May cause allergic respiratory reaction.
Skin Contact:	None known.
Eye Contact:	May cause eye irritation.
Ingestion:	None known.
Aggravated Medical Conditions:	None known.

Chronic Effects / Carcinogenicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Other Information: None known.

Toxicity Tests

Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity:	Not determined
Genotoxicity:	Not determined
Reproductive / Developmental Toxicity:	Not determined

12.ECOLOGICAL INFORMATION

Mobility (Water / Soil / Air): Not determined

Persistence / Degradability: Slowly biodegradable

Bio-accumulation: Not determined

Ecotoxicological Information

Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined

Chemical Fate Information: Not determined

Other Information: Not applicable

13.DISPOSAL CONSIDERATIONS

Disposal Method: Bury in a licensed landfill according to federal, state, and local regulations.

Contaminated Packaging: Follow all applicable national or local regulations.

14.TRANSPORT INFORMATION

Land Transportation

DOT:	Not restricted
Canadian TDG:	Not restricted
ADR:	Not restricted

Air Transportation

ICAO / IATA:	Not restricted
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Sea Transportation

IMDG:	Not restricted
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Other Shipping Information

Labels:	None
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15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory:	All components listed on inventory.
EPA SARA Title III Extremely Hazardous Substances:	Not applicable
EPA SARA (313, 312) Hazard Class:	None
EPA SARA (313) Chemicals:	This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).
EPA CERCLA / Superfund Reportable Spill Quantity for this Product:	Not applicable
EPA RCRA Hazardous Waste Classification:	If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.
California Proposition 65:	The California Proposition 65 regulation does NOT apply to this product.
MA Right-to-Know Law:	One or more components listed.
NJ Right-to-Know Law:	One or more components listed.
PA Right-to-Know Law:	One or more components listed.
Canadian Regulations	
Canadian DSL Inventory:	All components listed on inventory.
WHMIS Hazard Class:	Un-Controlled

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS.

Not applicable

Additional Information:

For additional information on the use of this product, contact your International Polymerics, Inc. representative.

For questions about the Material Safety Data Sheet for this or other International Polymerics, Inc. products, contact Chemical Compliance at 706-428-0884.

Disclaimer Statement:

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****END OF MSDS****