



Section 1. Product and Company Identification

Product Name Propylene Glycol Alginate
CAS Number 9005-37-2

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Classification (GHS-US): Combustible Dust

GHS Label Elements

Pictograms: N/A

Signal word: WARNING

Hazard and precautionary statements

Hazard Statements (GHS-US)

May form combustible dust concentrations in air

Other Hazards

Other Hazards Not Contributing to the Classification: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US): Not available

Section 3. Composition / Information on Ingredients

Common Name Propylene Glycol Alginate

CAS Number 9005-37-2

COMPONENT	CAS NUMBER	CONCENTRATION
Propylene Glycol Alginate	9005-37-2	100% wt.

Section 4. First Aid Measures

Description of First-Aid Measures

General: If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.



Skin Contact: Rinse immediately with plenty of water. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Obtain medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting. Rinse mouth. Call a POISON CENTER/doctor/physician if you feel unwell.

Most Important Symptoms and Effects both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Not expected to be a primary route of exposure under anticipated conditions of normal use. May cause respiratory irritation and dryness.

Skin Contact: None expected under normal conditions of use.

Eye Contact: May cause mechanical eye irritation.

Ingestion: Adverse effects not expected from this product.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed: If you feel unwell, seek medical advice (show the label if possible).

Section 5. Firefighting Measures

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: None known.

Special Hazards Arising from the Substance or Mixture

Fire Hazard: Combustible Dust.

Explosion Hazard: This product is a combustible dust and as such is a potential fire/dust explosion hazard. Avoid creation of airborne dust. Fine dust particles dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Reactivity: Refer to Section 10 for reactivity properties.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection during Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Reference to Other Sections: Refer to Section 9 for flammability properties.



Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

General Measures: Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use only non-sparking tools.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid. Avoid dust generation.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Take precautions if water is utilized for clean up since the surface may become slippery. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to Other Sections

See Section 8. Exposure controls and personal protection.

Section 7. Handling and Storage

Precautions for Safe Handling

Additional Hazards When Processed: Minimize creation of airborne dust. Practice good housekeeping in handling areas to ensure that dust does not accumulate on surfaces. Ensure handling systems and electrical equipment are designed and maintained in accordance with NFPA, NEC, OSHA, and other standards/regulations. Pneumatic conveying systems should be constructed of electrically conductive materials and properly grounded. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.



Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Section 8. Exposure Controls / Personal Protection

Control Parameters

Particles Not Otherwise Specified (PNOS)

USA ACGIH	ACGIH TLV (mg/m ³)	3 mg/m ³ (respirable, recommended)
USA ACGIH	ACGIH TLV (mg/m ³)	10 mg/m ³ (inhalable, recommended)

Nuisance Dust

USA OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust)

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion system or an oxygen-deficient environment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use appropriately classified electrical equipment and powered industrial trucks.

Personal Protective Equipment: Gloves. In case of dust formation: Dust mask. Protective goggles.

Materials for Protective Clothing: Not required for normal conditions of use.

Hand Protection: Protective gloves.

Eye Protection: In case of dust production: protective goggles.

Skin and Body Protection: Not required for normal conditions of use.

Respiratory Protection: Wear NIOSH approved dust mask in situations where airborne concentrations may exceed the OSHA PEL for nuisance dusts.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State: Solid

Appearance: Off-white to light brown powder

Odor: Not available
Odor Threshold: Not available
pH: 3.0 - 4.5
Relative Evaporation Rate (Butyl Acetate = 1): Not available
Melting Point: Not available
Freezing Point: Not available
Boiling Point: Not available
Flash Point: Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Flammability (solid, gas): Combustible Dust
Explosive Limits: See Dust Explosion Hazard Summary
Vapor Pressure: Not available
Relative Vapor Density (20°C): Not available
Relative Density: Not available
Specific Gravity: Not available
Solubility: Not available
Partition coefficient (n-Octanol/water): Not available
Viscosity: Not available
Explosion Data - Sensitivity to Mechanical Impact: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data - Sensitivity to Static Discharge: See Dust Explosion Hazard Summary

Dust Explosion Hazard Summary

Dust Class: Not available
Min. Autoignition Temp., MIT Cloud: Not available
Min. Autoignition Temp., MIT Layer: Not available
KSt (Deflagration Index): Not available
Pmax (Maximum Pressure): Not available
MEC (Minimum Explosible Concentration): Not available
MIE (Minimum Ignition Energy): Not available
% Combustible: Not available
Dust Layer Flammability: Not available
Resistivity: Not available
Chargeability: Not available
Self-heating: Not available
Particle Size Distribution: Not available
Moisture Content: < 15%

Section 10. Stability and Reactivity

Reactivity: Dust clouds can be explosive.
Chemical Stability: Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.



Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂).

Section 11. Toxicological Information

Information on Toxicological Effects - Product

Acute Toxicity: Not classified

LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Teratogenicity: Not available

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries after Inhalation: Not expected to be a primary route of exposure under anticipated conditions of normal use. May cause respiratory irritation and dryness.

Symptoms/Injuries after Skin Contact: None expected under normal conditions of use.

Symptoms/Injuries after Eye Contact: May cause mechanical eye irritation.

Symptoms/Injuries after Ingestion: Adverse effects not expected from this product.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data

Propylene glycol alginate (9005-37-2)

LD50 Oral Rat: 7200 mg/kg

Section 12. Ecological Information

Toxicity: No additional information available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

Other Adverse Effects

Other Information: Avoid release to the environment.



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT: Not regulated for transport
IMDG: Not regulated for transport
IATA: Not regulated for transport
TDG: Not regulated for transport

Section 15. Regulatory Information

US Federal Regulations

Propylene Glycol Alginate (9005-37-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations: Not available

Canadian Regulations

Propylene Glycol Alginate

WHMIS Classification: Uncontrolled product according to WHMIS classification criteria

Listed on the Canadian DSL (Domestic Substances List)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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