

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078067063

N/A

**MSDS - Material Safety Data Sheet****Product Name: Magna Gel****MSDS No.: 0012****I. Basic Information:****Manufacturer:** Pegasus Laboratories, Inc.**Address:** 8809 Ely Road**City, ST Zip:** Pensacola, FL 32514**Emergency Contact:** Chemtrec**Emergency Telephone Number:** 800-424-9300**Contact:** Carl Causey**Information Telephone Number:** 850-478-2770**Last Update:** 02/25/2002**Chemical State:**  Liquid  Gas  Solid**Chemical Type:**  Pure  Mixture

1	Health
1	Flammability
0	Reactivity
	Pers. Protection

**II. Ingredients:** Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
56815	Glycerine (mist)	0.5-2				X		15 mg/m3	10 ppm	NI	
7786303	Magnesium Chloride	15-20						NI	NI	NI	

**III. Hazardous Identification:****Hazard Category:**
 Acute  Chronic  Fire  Pressure  Reactive
**Hazardous Identification Information:**

Repeated over-exposure to glycerine may cause increased fat levels in the blood. Kidney, liver and gastrointestinal effects may occur with large oral dosages.

Over exposure to magnesium chloride may cause irritation to the gastrointestinal tract if ingested in large amounts. Inhalation of magnesium chloride vapors may irritate the mucous membranes and upper respiratory tract.

**IV. First Aid Measures:****Route(s) of Entry:**

Contact, Inhalation, and Ingestion

**Health Hazards (Acute and Chronic):**

Eyes: Eye contact with product may cause irritation and redness.

Skin: Contact with skin may cause irritation and defatting.

Inhalation: Inhalation may cause irritation, headache, nausea, and drowsiness.

Ingestion: Ingestion may cause irritation and nausea if administered in dosages other than prescribed.

**Signs and Symptoms:**

NI

**Medical Conditions Generally Aggravated by Exposure:**

# MSDS - Material Safety Data Sheet

## Product Name: Magna Gel

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NI

### Emergency and First Aid Procedures:

Eyes: Immediately flush eyes with large quantity of water for 10-15 minutes. Get medical attention.

Skin: Flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing. Thoroughly clean clothing and shoes before reuse.

Inhalation: Immediately move victim to fresh air.

Ingestion: For an overdose, have victim drink water or milk to dilute. Call a physician immediately. Induce vomiting only if advised by a physician.

### Other Health Warnings:

NI

### V. Fire Fighting Measures:

Flash Point: >220F

Lower Explosive Limit: NI

Upper Explosive Limit: NI

F.P. Method: Pensky-Martens Closed Cup

### Fire Extinguishing Media:

Dry chemical, water spray/fog, foam and carbon dioxide.

### Special Fire Fighting Procedures:

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non-essential personnel. Firefighters should wear full-face, self-contained breathing apparatuses and protective clothing. Prevent pollution of ground water from fire control run-off.

### Unusual Fire and Explosion:

NI

### VI. Accidental Release Measures:

#### Steps to be Taken in Case Material is Released or Spilled:

In case of spills, contain and dispose of in accordance with federal, state, and local regulations. Ventilate spill area and flush area with water.

### VII. Handling and Storage:

#### Precautions to be Taken:

Protect container against physical damage. Store in cool dry area, inaccessible to children and pets.

#### Other Precautions:

NI

### VIII. Exposure Controls/Personal Protection:

#### Ventilation Requirements:

Handle in well-ventilated area. Where excessive exposure is likely, use NIOSH/MSHA approved protection equipment.

#### Personal Protective Equipment:

Wear gloves and protective clothing if there is potential for prolonged/repeated skin contact. Wear safety glasses and chemical safety goggles whenever there is the possibility of contact with the eye.

# MSDS - Material Safety Data Sheet

## Product Name: Magna Gel

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### IX. Physical and Chemical Properties:

**Boiling Point:** NI

**Melting Point:** NI

**Evaporation Rate (Butyl Acetate = 1):** >1

**Vapor Pressure (mm Hg.):** NI

**Specific Gravity (H2O = 1):** 1.11000

**Vapor Density (AIR = 1):** NI

**Solubility In Water:** Soluble

**Appearance and Odor:** Green liquid; odorless

**Other Information:** Density = 9.3 lbs/gal.

### X. Stability and Reactivity:

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Avoid contact with bleaching agents and oxidizers.

**Decomposition/By Products:**

If product is burned, carbon monoxide, carbon dioxide, and miscellaneous organic compounds are produced (some potentially toxic).

**Hazardous Polymerization:**

Will Not Occur.

### XI. Toxicological Information:

NI

### XII. Ecological Information:

NI

### XIII. Disposal Considerations:

Dispose of at an approved facility in accordance with applicable regulations under RCRA and in accordance with all federal, state, and local regulations.

### XIV. Transport Information:

NI

### XV. Regulatory Information:

# *MSDS - Material Safety Data Sheet*

## *Product Name: Magna Gel*

### *MSDS No.: 0012*

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: The ingredients of this product are on the TSCA inventory.

CERCLA REPORTABLE QUANTITY: None

#### SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate and delayed health hazards.

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

### ***XVI. Other Information:***

Reason for Issue: New MSDS in the ANSI Z 400.1-1998 format.

NI=Not Indicated.

>=Greater Than.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard identification but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional, or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstance or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.



\* The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

##### First aid measures

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Call a physician. Do not induce vomiting unless instructed to do so by a poison control center or doctor.

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Dry chemical. Water spray (fog). Foam. Carbon dioxide (CO2).

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

##### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

##### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

**Incompatible materials** Incompatible with oxidizing agents. Bleaching agent.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines****Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls****Engineering Controls**

Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special technical protective measures are necessary.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

**Physical State @20°C**

Liquid

**Appearance**

Gel

**Color**

Green

**Odor**

Odorless

**Odor threshold**

No information available

**Property****Values****Remarks • Method**

**pH**

Not Available

**Melting point/freezing point**

No information available

**Boiling point / boiling range**

No information available

**Flash point**

> 104 °C / > 220 °F

Pensky-Martens Closed Cup (PMCC)

**Evaporation rate**

> 1

**Flammability (solid, gas)**

No information available

**Flammability Limit in Air**

**Upper flammability limit:**

No information available

**Lower flammability limit:**

No information available

**Vapor pressure**

No information available

**Vapor density**

No information available

**Specific Gravity**

1.11

**Water solubility**

Soluble in water

**Solubility in other solvents**

No information available

<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Oxidizing properties</b>	No information available

**Other Information**

**Density VALUE** 9.3 lbs/gal.

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous polymerization**

Will not occur.

**Conditions to avoid**

Keep out of reach of children.

**Incompatible materials**

Incompatible with oxidizing agents. Bleaching agent.

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions. Hydrocarbons. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Inhalation may cause irritation, headache, nausea and drowsiness.
<b>Eye contact</b>	May cause irritation and redness.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause irritation and nausea if administered in dosages other than prescribed.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 1 % of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1608198 mg/kg  
ATEmix (dermal) 1672526 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container, unless specified by the manufacturer.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO (air)** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

This chemical is classified as a food, food additive, color additive, drug, cosmetic, or medical or veterinary device or product, and is therefore subject to labeling requirements under the Food and Drug Administration. These requirements differ from the classification criteria and hazard information required for safety data sheets and workplace labeling of chemicals.

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

### International Inventories

**TSCA** Not Listed

**DSL/NDSL** Not Listed

**EINECS/ELINCS** Not Listed

**ENCS** Not Listed

**IECSC** Not Listed



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**End of Safety Data Sheet**