

SAFETY DATA SHEETS

This SDS packet was issued with item:

078690806

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078598448 078690970 078917160 078917169

MSDS - Material Safety Data Sheet

Product Name: Calcium Chloride Gel

MSDS No.: 0002

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: 05/25/2001

Chemical State: Liquid Gas Solid

Chemical Type: Pure Mixture

II. Ingredients:

Trade Secret

CAS No.	Chemical Name	% Range	EHS	IARC	SARA	OSHA	ACGIH	Other
			NTP	SUB Z	313	PEL	TLV	Limits
10043-52-4	Calcium chloride	40				NI	NI	NI

III. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

IV. First Aid Measures:

Route(s) of Entry:

Contact, inhalation, and ingestion.

Health Hazards (Acute and Chronic):

Eyes: Contact will cause eye irritation
 Skin: Contact may irritate and defat skin
 Inhalation: May irritate and/or cause burning sensation to the respiratory tract.
 Ingestion: Swallowing may irritate gastrointestinal tract

Signs and Symptoms:

NI

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency and First Aid Procedures:

Eyes: Flush with large amounts of clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

Skin: Bathe and shampoo with soap and water to remove chemical from skin and hair. If irritation persists, seek medical attention.



2	Health
2	Flammability
0	Reactivity
Pers. Protection	

MSDS - Material Safety Data Sheet

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Inhalation: Remove victim to fresh air. Apply artificial respiration if needed. If irritation persists, seek medical attention.

Ingestion: Call physician or Poison Control Center

Other Health Warnings:

NI

V. Fire Fighting Measures:

Flash Point: NI

Lower Explosive Limit: NI

Upper Explosive Limit: NI

F.P. Method: NI

Fire Extinguishing Media: CO₂, Dry Chemical, Foam, Water

Special Fire Fighting Procedures:

NI

Unusual Fire and Explosion:

Prevent pollution of ground water from fire control run-off.

VI. Accidental Release Measures:

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

Ventilate the area. Wear protective clothing, chemical-resistant gloves and shoes, and safety glasses with side shields or goggles. If ventilation is not adequate, wear an organic vapor respirator, NIOSH/MSHA Approval No. TC-23C. Contain and collect onto inert absorbent; place into containers for disposal. Clean area with water.

VII. Handling and Storage:

Precautions to be Taken:

Store in a cool, dry, locked area, inaccessible to children and pets. Keep container closed to prevent contamination.

Other Precautions:

NI

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation is required. Mechanical ventilation may be necessary in an enclosed area, to prevent exposure above recommended levels.

Personal Protective Equipment:

Respiratory Protection: If ventilation is adequate, no respiratory protection is required. In the event of a large spill, or during production, wear a NIOSH/MSHA Approval No. TC-23C organic vapor respirator.

IX. Physical and Chemical Properties:

Boiling Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Melting Point: NI

Vapor Pressure (mm Hg.): NI

Specific Gravity (H₂O = 1): 1.44400

Solubility In Water: Soluble

Vapor Density (AIR = 1): NI

Appearance and Odor: Clear to translucent off-white gel; mild, salty odor.

odor.

Other Information: Density at 20 C: 12 lb/gal

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MSDS No.: 0002

pH: 4.0

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

A component of this product is incompatible with metals.

Decomposition/By Products:

If product is burned, carbon monoxide, carbon dioxide, and HCl may be produced.

Hazardous Polymerization:

Will Not Occur.

XI. Toxicological Information:

NI

XII. Ecological Information:

NI

XIII. Disposal Considerations:

Dispose of waste water, chemicals, and absorbent according to local, state, and Federal regulations.

XIV. Transport Information:

NI

XV. Regulatory Information:

NI

XVI. Other Information:

Recommended Hazard Summary (Defined by 29 CFR 1910. 1200) : Immediate Health Hazard

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.



SAFETY DATA SHEET

Issue Date 20-May-2014

Revision Date 17-Nov-2017

Version 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name PRN Pharmacal High Potency Calcium Gel

Other means of identification

Product Code PRN FP 30010936

NDC Number 49427-007-33

Recommended use of the chemical and restrictions on use

Recommended Use Nutritional Supplements.

Uses advised against No information available.

Details of the supplier of the safety data sheet

Supplier Pegasus Laboratories, Inc. 8809 Ely Road Pensacola, FL 32514	Company Name Pegasus Laboratories, Inc. 8809 Ely Road Pensacola, FL 32514
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Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

Category 2

Label elements

Emergency Overview

Warning

Hazard statements

Causes serious eye irritation.



Appearance Gel

Physical state Liquid

Odor Mild

Precautionary Statements - Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Wear eye/face protection

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention

Hazards not otherwise classified (HNOC)

Per manufacturer guidance, this product is not considered hazardous when used as intended in its manufactured form. OSHA's Globally Harmonized System (GHS), which is based on overall hazard potential and is not risk-based, may assign classifications and hazards that could conflict with this statement. Do not use product in a manner inconsistent with product label/insert instructions.

Please see the label for instructions for use and precautions.

Other Information

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS. Number	Weight %
Calcium Chloride, Anhydrous	10043-52-4	35-42*

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

4. FIRST AID MEASURES

First aid measures

General advice

If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation

Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.

Ingestion

Product is intended for consumption. Please see the product label for instructions for use and precautions.

Self-protection of the first aider

Use personal protective equipment as required.

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 Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. 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 Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

Incompatible materials Metals. Bleaching agents. Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

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 When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Mild
Appearance	Gel	Odor threshold	No information available
Color	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.0	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
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	1.35	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Oxidizing properties	No information available	

Other Information

Density 11 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

Metals. Bleaching agents. Oxidizing agents.

Hazardous Decomposition Products

Carbon dioxide (CO₂). Carbon monoxide. Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Chloride, Anhydrous 10043-52-4	= 1000 mg/kg (Rat)	= 2630 mg/kg (Rat)	-

Information on toxicological effects

Symptoms No information available.

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

Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. <i>IARC (International Agency for Research on Cancer)</i> <i>Not classifiable as a human carcinogen</i>
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	Avoid repeated exposure.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

Unknown 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)	2703 mg/kg
ATEmix (dermal)	7108 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium Chloride, Anhydrous 10043-52-4		10650: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static		2400: 48 h <i>Daphnia magna</i> mg/L LC50

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

Description The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

FEED SUPPLEMENTS, NMFC #67075

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 Listed
DSL/NDSL Listed
EINECS/ELINCS Not Listed
ENCS Not Listed
IECSC Listed
KECL Listed
PICCS Listed
AICS Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Calcium Chloride, Anhydrous	X	X		X		X	X	X	X	X

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

U.S. State Right-to-Know Regulations

International Regulations

16. OTHER INFORMATION

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

Disclaimer

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End of Safety Data Sheet