



## SAFETY DATA SHEET

### 1.0 IDENTIFICATION

**Product:** Grafco® Instant Cold Pack,  
P/N C100, C101

**General Use:** For relief of pain and swelling caused by sprains, strains, contusions, minor burns, toothaches, and insect bites.

**Company Name:**  
GF Health Products, Inc.

**Emergency Telephone Number:**  
CHEMTREC 800-424-9300 (24 hour)

**Address:**  
One Graham-Field Way  
Atlanta, GA 30340

**Telephone Number for Information:**  
800-347-5678 (Normal Business Hours)

**Date Issued:** 05/02/2018

**Date Revised:** 10/03/2018

### 2.0 HAZARD(S) IDENTIFICATION

#### **GHS CLASSIFICATION**

This chemical is not considered hazardous by the UN GHS (6<sup>th</sup> Edition revised).

#### **GHS LABEL ELEMENTS**

**Signal Word –** Danger

#### **HAZARD CLASS:**

Acute toxicity – Oral Category 4  
Eye damage / Eye irritation Category 1

#### **HAZARD PICTOGRAMS:**



#### **HAZARD STATEMENTS:**

H202 Harmful if swallowed.  
H318 Cause serious eye damage

#### **PRECAUTIONARY STATEMENTS - PREVENTION:**

P264 Wash thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P280 Wear protective gloves / protective clothing / eye protection / face protection



**PRECAUTIONARY STATEMENTS - RESPONSE:**

P310 Immediately call a POISON CENTER / DOCTOR

P330 Rinse mouth

P301 + P312 IF SWALLOWED: Call a POISON CENTER / DOCTOR, if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:**

None

**3.0 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS #	%(weight)	ACGIH TLV		OSHA	
			TWA	STEL	PEL	STEL
Calcium Ammonium Nitrate	15245-12-2	30 – 70	N/Av	N/Av	N/Av	N/Av
Water	7732-18-5	30 – 70	N/Av	N/Av	N/Av	N/Av

**4.0 FIRST-AID MEASURES**

**DESCRIPTION OF NECESSARY FIRST AID MEASURES**

**General Advice:** Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** Remove to fresh air. Get medical attention if ill effects occur.

**Skin Contact:** Wash the affected area with soap and water. Get medical attention if irritation persists.

**Eye Contact:** Immediately flush eyes with plenty of water for a t least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

**Ingestion:** If swallowed, do not induce vomiting; give several glasses of water or milk to drink. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

**Protection of first-aid**

None

**MOST IMPORTANT SYMPTIONS / EFFECT, ACUTE AND DELAYED**

See section 11

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY**

**Note to Physicians:** Treat symptomatically

**Specific treatments:** No further relevant information available.



## **5.0 FIRE-FIGHTING MEASURES**

### **EXTINGUISHING MEDIA**

**Suitable extinguishing media:** Water spray.

**Unsuitable extinguishing media:** If substance is involved in the fire, use plenty of water. Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.

### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

**Special protective equipment:** Wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. A full-body chemical resistant suit should be worn to move containers from fire area if safe to do so.

**Special protective precautions:** Fight fires from a safe distance. Evacuate personnel to safe area. Water spray may be useful in cooling equipment exposed to heat and flame.

## **6.0 ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

- Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
- Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors and contacting with skin and eyes.
- Wear protective clothing, gloves, safety glasses and dust respirator.

### **ENVIRONMENTAL PRECAUTIONS**

- Prevent further leakage or spillage if safe to do so.
- Do not let product enter drains.

### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Remove all sources of ignition. Use spark proof tools and explosion-proof equipment. Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Dispose contaminated material as waste according to section 13.

### **REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information



## **7.0 HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING:**

**Handling:** Ensure good local exhaust ventilation. Handle and open container with care. Keep container closed and away from incompatible substances, food, drink, and dust. Protect from humidity and water. Minimize dust generations and accumulation. Avoid dust contact with eyes. Avoid breathing dust and fume. Avoid ingestion. Remove contaminated clothing and wash before reuse. Empty containers retain product residue. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

**Information about fire and explosion protection:** Normal measures for preventive fire protection.

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

**Requirements to be met by storerooms and receptacles:** Store in a closed container. Store in a cool, dry, and well ventilated area and keep away from incompatible substances, food, drink and dust/impurities. Inspect regularly for deficiencies such as damage or storage area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment. Store protected from moisture.

**Specific end use(s):** No further relevant information available.

## **8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES: NO FURTHER DATA; SEE SECTION 7.**

### **EXPOSURE CONTROLS**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measures.

### **APPROPRIATE ENGINEERING CONTROLS**

Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with and eyewash facility and a safety shower.

### **PERSONAL PROTECTIVE EQUIPMENT**

**Eye/face protection:** Dust service goggles should be worn to prevent mechanical injury or other irritation to eye due to airborne particles which may result from handling protect.

**Skin protection:** Wear appropriate protective clothing, and gloves to prevent skin contact.

**Respiratory protection:** An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self-contained breathing apparatus should be used with large spills or fire.



**Other protection:** Use good hygiene practices when handling this material including changing and laundering work clothing after use. Have a safety shower or eye-wash fountain available. Wash hands thoroughly after handling material. Do not eat, drink, or smoke in work areas.

## **9.0 PHYSICAL AND CHEMICAL PROPERTIES**

- a) **Appearance (physical state, color, etc.):** White granules
- b) **Odor:** Odorless
- c) **Odor Threshold:** No information found
- d) **pH:** 5.0 (1% aqueous solution)
- e) **Melting Point / Freezing Point:** 100 – 104 °C
- f) **Initial Boiling Point and Boiling range:** No information found
- g) **Flash Point:** No information found
- h) **Evaporation Rate:** no information found (solid, gas): No information found
- i) **Flammability (solid, gas):** No information found
- j) **Upper / Lower Flammability or Explosive Limits:** No information found
- k) **Vapor Pressure:** No information found
- l) **Vapor Density:** No information found
- m) **Relative Density:** No information found
- n) **Solubility:** No information found
- o) **Partition Coefficient:** n-octanol / water: No information found
- p) **Auto-ignition Temperature:** No information found
- q) **Decomposition Temperature:** No information found
- r) **Viscosity:** No information found

## **10.0 STABILITY AND REACTIVITY**

**Reactivity:** No information found

**Chemical stability:** Stable under ordinary conditions of use and storage

### **POSSIBILITY OF HAZARDOUS REACTIONS**

**Hazardous Polymerization:** Not expected under prescribed storage and handling conditions. Decomposition may occur at extremely high temperatures.

**Conditions to avoid:** Incompatible materials, dust generation.

**Incompatible materials:** Reactive with oxidizing agents.

**Hazardous decomposition products:** No dangerous decomposition products known.

**Incompatibilities with other materials:** No further relevant information available.



## **11.0 TOXICOLOGICAL INFORMATION**

### **ACUTE TOXICITY**

**Toxicological data:** There is no available data for the product itself, only for the ingredients. Refer to section 2 for individual ingredient LD50's and LC50's

<b>Ingredients</b>	<b>CAS No.</b>	<b>LC50</b>	<b>LD50</b>	
		Inh, rat	Oral	Dermal
Calcium Ammonium Nitrate	15245-12-2	N/A	>2000 mg/kg	N/A
Water	7732-18-5	N/A	N/A	N/A

**Carcinogenic status:** No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP

### **OTHER INFORMATION**

**Skin corrosion / irritation:** No information found  
**Serious eye damage / irritation:** No information found  
**Skin or skin sensitization:** No information found  
**Germ cell mutagenicity:** No information found  
**Reproductive toxicity:** No information found  
**STOT-single exposure:** No information found  
**STOT-repeated exposure:** No information found  
**Aspiration hazard:** No information found

## **12.0 ECOLOGICAL INFORMATION**

### **TOXICITY**

Acute / Chronic Toxicity: Not available

### **PERSISTENCE AND DEGRADABILITY**

Not available

### **BIOACCUMULATIVE POTENTIAL**

**Bioaccumulation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

### **MOBILITY IN SOIL**

Not available

### **OTHER ADVERSE EFFECTS**

Not available



### **13.0 DISPOSAL CONSIDERATIONS**

#### **WATER TREATMENT METHODS**

**Recommendation:** Smaller quantities can be disposed of with household water.

#### **CONTAMINATED PACKAGING**

**Recommendation:** Disposal must be made according to official regulations.

#### **DISPOSAL RECOMMENDATIONS**

Refer to above.

### **14.0 TRANSPORT INFORMATION**

**UN Number (TDG, ADR, IMDG, IATA):** Not applicable

**UN Proper Shipping Name (TGD, ADR, IMDG, IATA):** Not applicable

**Transport Hazard Class (TDG, ADR, IMDG, IATA):** Non-hazardous for transport

**Packing group ( TDG, ADR, IMDG, IATA):** Not applicable

**Environmental hazards (Marine pollutant):** Refer to Section 12.1

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**Special precautions for user:** Not applicable

### **15.0 REGULATORY INFORMATION**

Component	[EINECS]	[TSCA]	[DSL]	[IECSC]	[NZIoC]	[PICCS]	[[KECI]	[AICS]
Calcium Ammonium Nitrate	Listed	Listed	Not listed	Not listed	Listed	Not listed	Listed	Not listed
Water	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Existing and Evaluated Chemical Substances

[AICS] Australia Inventory of Chemical Substances

### **16.0 OTHER INFORMATION**

#### **REFERENCES**

IPCS: The International Chemical Safety Cards (ICSC), website:

<http://www.ilo.org/dyn/icsc/showcard.home>

IARC website: <http://www.iarc.fr/>

OECD: The Global Portal to Information on Chemical Substances,



website: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

[4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>

NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>

U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>

Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>

## ABBREVIATIONS AND ACRONYMS

**UN GHS:** United Nations Globally Harmonized System of Classification and Labelling of Chemicals

**ACGIH:** American Conference of Governmental Industrial Hygienists

**CAS:** Chemical Abstracts Service

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1980.

**DOT:** Department of Transportation

**DSL:** the Domestic Substances List of Canada

**EC:** European Commission

**EPA:** Environmental Protection Agency

**HMIS:** Hazardous Substances Data Bank

**IARC:** International Agency for Research on Cancer

**Inh:** Inhalation

**IATA:** International Air Transport Association

**LC:** Lethal Concentration

**LD50:** Lethal dose, 50 percent kill

**MA:** Massachusetts

**MAC:** Maximum allowable concentration

**MSHA:** Mine Safety and Health Administration

**N/Av:** Not Available

**NFPA:** National Fire Protection Association

**NIOSH:** US National Institute for Occupational Safety and Health NTP: US National Toxicology Program

**OSHA:** US Occupational Safety and Health

**PA:** Pennsylvania

**PEL:** Permissible Exposure Limit

**RCRA:** Resource Conservation and Recovery Act

**RI:** Rhode Island

**RTECS:** Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

All information, recommendations, and suggestions appearing herein concerning the product are based upon data believed to be reliable. It is the user's responsibility to determine the safety, toxicity, and suitability for their own use of the product described herein, and to comply with all applicable regulations. Since the actual use by others is beyond the SDS developer's control, no guarantee, expressed or implied is made by GF Health Products, Inc., as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does GF Health Products, Inc. assume any liability arising out of use by others of the product referred to herein. This SDS is not intended as a license to operate under, or recommendation to infringe on, any patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.





Note: CHEMTREC and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used only in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to GF Health Products, Inc. for assistance.

**PREPARED BY: GF Health Products, Inc.**  
**Revision No.: B Date: 10/03/2018**