



## **SAFETY DATA SHEET**

### **1.0 IDENTIFICATION**

**Product:** Grafco® Hot & Cold Gel Pack, P/N HC100, HC101

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

Hot therapy: provides relief for sore and stiff joints, muscle aches and pain, and muscle tension and cramps.

**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:** 05/10/2018

**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:** Not applicable

**HAZARD CLASS:** Not applicable

**HAZARD PICTOGRAMS:** Not applicable

#### **HAZARD STATEMENTS:**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. Low hazard for usual industrial handling.

**Ingestion:** Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling.

**Inhalation:** May cause irritation of the upper respiratory tract and bronchi.

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

P264 Wash thoroughly after handling



**PRECAUTIONARY STATEMENTS - RESPONSE:**

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
Water	7732-18-5	60 – 80	N/Av	N/Av	N/Av	N/Av
Glycerin	56-81-5	10 – 30	10 mg/m <sup>3</sup>	N/Av	15 mg/m <sup>3</sup>	N/Av
Sodium Carboxymethyl Cellulose	9004-32-4	1 – 5	N/Av	N/Av	N/Av	N/Av

The exact percentage concentration of composition has been withheld as confidential business information (CBI) in accordance with GHS.

**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:** If inhaled, remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Skin Contact:** If a reaction with skin contact occurs, immediately flush skin with soap and water. Seek medical attention if irritation persists.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes, occasionally lifting upper and lower eyelids. Check for and remove any contact lenses if easily possible. Get medical aid if symptoms occur.

**Ingestion:** If swallowed, induce vomiting under guidance of professional doctors. If the injured is fully conscious, wash mouth out with water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**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:** use extinguishing media most appropriate for the surrounding fire.

**Unsuitable extinguishing media:** Not applicable.

**SPECIFIC HAZARDS ARISING FROM THE MIXTURE:** None

### **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**

- Sweep up material carefully, and then place into a suitable disposal container for disposal.
- 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:** Goggles should be worn to prevent the irritation to eyes.

**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:** Maintain good health habits. Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.



## **9.0 PHYSICAL AND CHEMICAL PROPERTIES**

- a) **Appearance (physical state, color, etc.):** Gel
- b) **Odor:** Odorless
- c) **Odor Threshold:** No information found
- d) **pH:** No information found
- e) **Melting Point / Freezing Point:** No information found
- f) **Initial Boiling Point and Boiling range:** No information found
- g) **Flash Point:** No information found
- h) **Evaporation Rate:** 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:** 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:** The mixture is 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:** Strong oxidizers

**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



Ingredients	CAS No.	LC <sub>50</sub>		LD <sub>50</sub>
		Inh, rat	Oral	Dermal
Water	7732-18-5	N/A	N/A	N/A
Glycerin	56-81-5	570 mg/m <sup>3</sup> (Rat )	12600 mg/kg (Rat)	10 g/kg (Rabbit)
Sodium Carboxymethyl Cellulose	9904-32-4	≥1200 mg/m <sup>3</sup>	27000 mg/kg	≥2000 mg/kg

**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:

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Water	Not listed	Not listed	Not listed	Not listed
Glycerin	Not listed	LC50: 51-57mL/L, 96h static(Oncorhynchus mykiss)	Not listed	EC50: > 500mg/L, 24h(Daphnia magna)
Sodium Carboxymethyl Cellulose	Not listed	LC50: 100-1000mg/L, 96h static(Oncorhynchus mykiss)	Not listed	EC5:8726 mg/l, 48 h (Daphnia)

#### PERSISTENCE AND DEGRADABILITY

Not available

#### BIOACCUMULATIVE POTENTIAL

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





[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**