
1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Product Name: **6035A** Lewis-Plast Hot / Cold Pack Reusable 28x13.5cm

Intended Use: Hot & Cold Therapy

Supplied By: Lewis's Medical Supplies
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

Chemical Name:	% (by weight)	CAS No.	EC#	MITI No.
Sodium Carboxymethyl Cellulose	2-5%	9004-32-4	Unlisted	-
Water	60-90%	7732-18-5	Unlisted	-
Glycerin	5-38%	56-81-5	200-289-5	-
5-chloro-2-methyl-4-isothiazolin-3-one	≤0.02%	26172-55-4	247-500-7	-
2-methyl-4-isothiazolin-3-one	≤0.02%	2682-20-4	220-239-6	-

3. HAZARDS IDENTIFICATION

Emergency Overview This product may be considered as a medical device, harmful effects are not expected under normal usage. Overheat this product may cause burn.

Potential Health Effects

Main Hazards: None

Routes of Entry:	None
Carcinogenic Status:	None
Health Effects –	
Eyes:	Harmful effects are not expected under normal usage. If eyes contact with the gel which leaks from the damaged pack, may cause eye irritation.
Skin:	Harmful effects are not expected under normal usage. Leakage from damaged pack may have the following hazards: Prolonged contact may cause little or no irritation.
Ingestion & Inhalation:	Harmful effects are not expected under normal usage. Leakage from damaged pack may have the following hazards: Ingestion of large amounts may cause gastrointestinal irritation.
Effects of long-term (chronic) exposure:	Harmful effects are not expected under normal usage.
Carcinogenic status:	See TOXICOLOGICAL INFORMATION, section 11.
Additional health hazards:	None known or reported by the manufacturer. See TOXICOLOGICAL INFORMATION, section 11.
Potential environmental effects:	See ECOLOGICAL INFORMATION, section 12.

4. FIRST AID MEASURES

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 at least 15 minutes, occasionally lifting the upper and lower eyelids. Do not allow victim to rub eyes. Check for and remove any contact lenses if easily possible. Get medical aid if symptoms occur.
Ingestion:	If swallowed, include vomiting under the 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.
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.

5. FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability:	The gel is not combustible, but the container is combustible. Explosive decomposition may occur under fire conditions.
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Flammability classification (OSHA 29 CFR1910,1200):Flash Point:	Not flammable under normal conditions of handling.N/Ap
Flash Point:	N/ Ap
Flash Point Method:	N/ Ap
Auto-ignition Temperature:	N/ Ap
Lower flammable limit (% by vol.):	N/ Ap
Upper flammable limit (% by vol.):	N/ Ap
Oxidizing Properties:	N/ Ap
Flame projection length:	N/ Ap
Flashback observed:	N/ Ap

Explosion data: Explosive decomposition may occur under fire conditions.

Extinguishing Media:	Dry chemical, CO2, water, regular foam.
Unusual Fire & Explosion Hazards:	None known.
Fire Fighting Protective:	Fight fires from a safe distance. Evacuate personnel to safe area. Firefighters should 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 move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.
Hazardous combustion products:	Carbon Oxides (COx); nitrogen Oxides (NOx).

6. ACCIDENTAL RELEASE MEASURES

General Information: If the accidental release happened, avoid dispersing the spilled material. Collect up, and then place it into a suitable container for reuse or disposal.

Measures for Environmental protection: Keep the spilled material from drains and sewers.

Measures for Collecting/Cleaning: Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).Sweep up the material carefully, and then place it into a suitable disposal container for disposal according to local regulation. Avoid walking through the spilled material, as the gel system may cause slip hazard.

Additional Information: No dangerous substances are released.

7. HANDLING AND STORAGE

General Information: This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. 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.

Handling: Ensure good local exhaust ventilation. Handle and open container with care. Keep container closed and away from incompatible substances, food, drink and dust/impurities. Protect from humidity and water. Minimize dust generation 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.

Storage: Store in a closed container. Store in a cool, dry, and well-ventilated areas which away from heat and all sources of ignition. Post area "No Smoking or Open Flame". 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit:	No exposure limits is listed for this product.
Chemical Name	Glycerine
ACGIH	10 mg/m ³ TWA
NIOSH	no established RELs - see Appendix D
OSHA - Final PELs	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Monitoring Methods:	No information found.
Engineering Controls:	Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Personal Protective Equipment	
Eye Protection:	Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling product.
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 of a self contained breathing apparatus should be used when large spilled or fire.
Other Protection:	Other Protection: To maintain good health habits. Eating, drinking and smoking should be prohibited in areas where this 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. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Gel, odorless.
Molecular Formula:	Mixture.
Molecular Weight:	N/A
PH:	N/A
Flash Point:	N/A
Boiling Point:	100°C
Melting Point:	Decomposes
Density:	N/A

Relative density (air=1):	N/A
Explosion Limits [% (V/V)]:	N/A
Water Solubility:	soluble
Evaporation rate (nBuAc=1):	No data
Auto-ignition temperature:	No data
Viscosity:	No data

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of storage and handling.
Stabilizers needed to maintain chemical stability:	None
Safety issues that may arise should the product change in physical appearance:	N/A
Possibility of chemical reaction or polymerization:	Will not occur.
Conditions to avoid:	Do not overheat (above 100°C). Do not let dry chemical or solution dry or crystallize in contact with organic, reactive or combustible materials (see Section 7).
Incompatible Materials:	Avoid contact with reactive, combustible or organic materials such as organic chemicals, acids, corrosive liquids, sulfur, and flammable liquids. Avoid contact with oxidizing agents, oxidizers, acids and alkaline materials.
Hazardous Decomposition Products:	Material will not burn, but if involved in a fire, oxides of nitrogen and carbon may be generated.

11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Composition: CAS# 9004-32-4

Routes of Entry: Eye contact, Inhalation or Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 27000 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Nuisance dust.

Composition: CAS# 56-81-5

LD50/LC50:

Draize test, rabbit, eye: 126 mg Mild;

Draize test, rabbit, eye: 500 mg/24H Mild;

Draize test, rabbit, skin: 500 mg/24H Mild;

Inhalation, rat: LC50 \geq 570 mg/m³/1H;

Oral, mouse: LD50 = 4090 mg/kg;

Oral, rabbit: LD50 = 27 gm/kg;
Oral, rat: LD50 = 12600 mg/kg;
Skin, rabbit: LD50 ≥10 gm/kg;<BR.

Carcinogenicity:

CAS# 56-81-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: No data available.

Composition: CAS#7732-18-5

- RTECS# ZC0110000

- LC50: >90 ml/kg (Oral, rat)

CAS#26172-55-4: No significant acute toxicological data identified in literature search.

Bacterial mutagen

Considered to be the major sensitizer in kathon CG(1)

12. ECOLOGICAL INFORMATION

Ecological Toxicity: Not available.

Cas# 56-81-5: LC50 (96 Hr.) rainbow trout = 50-67 mg/L; 12 degrees CLC50 (96 Hr.) goldfish ≥5000 mg/L .

CAS# 26172-55-4: Octanol /water coefficient =0.401(log P); rainbow trout LC50(96hr)=0.19mg/L; bluegill sunfish LC50(96hr)=0.28mg/L; daphnia EC50(48hr)=0.16mg/L; algal selenastrum EC50=0.018mg/L.

CAS# 2682-20-4: Octanol/water coefficient =-0.486(log P) ;rainbow trout LC50(96hr)=0.19mg/L; bluegill sunfish LC50(96hr)=0.28mg/L; daphnia EC50(48hr)=0.16mg/L; algal selenastrum EC50=0.018mg/L.

Ecological Degradation: Not available.

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

Environmental: Not available.

13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of wastes in accordance with Federal, State and local codes. Ensure spilled product does not enter drains, sewers, waterways or confined spaces.

14. TRANSPORT INFORMATION

Not regulated as a hazardous material for transportation.
(TDG; IMDG CODE; IATA DGR)

	N/A
UN Number:	N/A
UN Proper Shipping Name:	N/A
UN Classification:	N/A
Packing Group:	N/A

Packaging Sign: N/A

Transport Fashion:

15. REGULATORY INFORMATION

Regulatory Information: Reference to the local, national, US, EU, CA, Japan and international regulations.

CAS# 9004-32-4

Federal and State Regulations: TSCA 8(b) inventory: Carboxymethyl cellulose sodium

Other Regulations: Not available..

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

0-Minimal 1-slight 2-Moderate 3-Serious 4-severe
Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E -

National Fire Protection Association (U.S.A.):

0-Minimal 1-slight 2-Moderate 3-Serious 4-severe
Health: 2 Flammability: 1 Reactivity: 0 Specific hazard:- -

Protective Equipment: Gloves; Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

CAS# 56-81-5

US FEDERAL

TSCA :

CAS# 56-81-5 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA:

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ):

None of the chemicals in this product have a TPQ.

SARA Codes:

CAS # 56-81-5: chronic.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE:

CAS# 56-81-5 can be found on the following state right to know lists: Pennsylvania, Minnesota, Massachusetts, and California.

No Significant Risk Level: None of the chemicals in this product are listed.

16. OTHER INFORMATION

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/Ap: Not Applicable

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

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials

may present unknown hazards and should be use with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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