

SAFETY DATA SHEET (SDS)

Dyad Medical Sourcing

SECTION I - PRODUCT IDENTIFICATION

Product Trade Name: HCS Reusable Hot & Cold Packs
Manufacturer: Dyad Medical Sourcing, LLC
2101 Waukegan Road, Suite 208
Bannockburn, IL 60015
Emergency Phone Number: 1-855-241-1773

SECTION II - HAZARD(S) IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of
Hazard Sorts: None
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.
Eye Contact: This product may cause irritation to the eyes.
Skin Contact: This product may cause irritation to the skin.

SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Percent (by weight)	CAS#	EC#	MITI No.
Sodium Carboxymethyl Cellulose	≥ 1%	9004-32-4	Unlisted	-
Water	≥ 50%	7732-18-5	231-791-2	-
Glycerin	≥ 1%	56-81-5	200-289-5	-

SECTION IV - FIRST AID MEASURES

Eyes: 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.
Skin: Wash area thoroughly with soap and water for at least 20 minutes. Seek immediate medical attention if irritation develops or persists.
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, removed from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

SECTION V - FIRE FIGHTING MEASURES

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

SECTION V - FIRE FIGHTING MEASURES *(continued)*

Extinguishing Media:	Use methods most appropriate for the surrounding fire.
Flash Point:	Not applicable
Autoignition Temperature:	Not applicable
Explosion Limits (Lower):	Not available
Explosion Limits (Upper):	Not available

SECTION VI - ACCIDENTAL RELEASE MEASURES

General Information:	Review Section 6 & 8 before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 9.
Spills/Leaks:	Sweep up material carefully, and then place into a suitable container for disposal. Avoid generating dusty conditions. If appropriate, moisten first to prevent dusting. Contaminated floor may fume. Provide ventilation.

SECTION VII - HANDLING & 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.
Storage Procedures:	Store in a closed container. Store in a cool, dry, well-ventilated area 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.
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.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	No exposure limits are listed for this product.
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.
Eye/Face 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.
Protective Clothing:	Wear appropriate protective clothing and work 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 when large spill or fire.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

General Protection: Use good hygiene practices when handling this material. Wash hands, forearms and face thoroughly after handling material. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Gel, odorless	Melting Point:	Decomposes
Molecular Formula:	Mixture	Density:	Not applicable
Molecular Weight:	Not applicable	Relative Density (air=1)	Not
pH:	Not applicable	Explosion Limits:	Not
Flash Point:	Not applicable	Water Solubility:	Not
Boiling Point:	Not applicable	Chemical Uses:	Physical Cooling

SECTION X - STABILITY & REACTIVITY

Chemical Stability: This product is stable.
Conditions to Avoid: Incompatible materials, dust generation.
Incompatibilities: Reactive with oxidizing agents.
Corrosivity: Non-corrosive in presence of glass.
Hazardous Polymerization: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Composition: **CAS# 9004-32-4**

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): 2700 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: Nuisance Dust

Composition: **CAS# 56-81-5**

LD50/LC50: **Draize Test** - Rabbit, eye: 126mg Mild; Rabbit, eye: 500mg/24H Mild; Rabbit, skin: 500mg/24H Mild
Inhalation - Rat: LC50 = >570mg/m³/1H
Oral - Mouse: LD50 = 4090mg/kg; Rabbit: LD50 = 27gm/kg; Rat: LD50 = 12600mg/kg
Skin - Rabbit: LD50 = >10gm/kg; <BR
Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology: Information not available.
Neurotoxicity: Information not available.
Mutagenicity: Information not available.
Tetragenicity: Information not available.
Reproductive Effects: Information not available.
Other Information: None.

SECTION XI - TOXICOLOGICAL INFORMATION *(continued)*

Composition: CAS# 7732-18-5
RTECS#: ZC0110000
LC50: >90ml/kg (Oral, rat)

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Not available. CAS# 56-81-5: LC50 (96Hr.) rainbow trout = 50-67mg/L; 12degrees CLC50 (96Hr.) goldfish = >5000mg/L
Ecodegradation: Not available.
Biology Degradation: Possible hazardous short term degradation products are not likely.. However, long term degradation products may arise.
Environmental: Not available.

SECTION XIII - DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Chemical waster generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waster generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management schemes (recovery recycling, reuse) according to local legislation.

RCRA P-Series: None Listed

RCRA U-Series: None Listed

SECTION XIV - TRANSPORT INFORMATION

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

SECTION XV - 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

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

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

HMIS (USA):

Health Hazard: 2 Fire Hazard: 1 Reactivity: 0 Personal Protection: E

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

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.

SECTION XV - REGULATORY INFORMATION (continued)

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.

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

European/International Regulations

European Labeling in Accordance with EC Directives

- Hazard Symbols:** Not available.
- Risk Phrases:** Not available.
- Safety Phrases:** Not available.
- WGK (Water Danger/Protection):** CAS# 56-81-5: 0
- Canada:** CAS# 56-81-5 is listed on Canada's DSL List. This product does not have a WHMIS classification. CAS# 56-81-5 is not listed on Canada's Ingredient Disclosure List.
- Exposure Limits:** CAS# 56-81-5: OEL - AUSTRALIA: TWA 10mg/m³; OEL - BELGIUM: TWA 10mg/m³; OEL - FINLAND: TWA 20mg/m³; OEL - FRANCE: TWA 10mg/m³; OEL - THE NETHERLANDS: TWA 10mg/m³; OEL - UNITED KINGDOM: TWA 10mg/m³; OEL - BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV DEL; OEL - NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

SECTION XVI - OTHER INFORMATION

Date of Preparation: May 2015

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.