Safety Data Sheet (SDS)

SECTION 1 — IDENTIFICATION

GHS PRODUCT IDENTIFIER

Product Name / Dynarex Part (Reorder) Number(s): Hot Pack / 4516

Product Name / Dynarex Part (Reorder) Number(s): Cold Pack / 4511, 4512, 4515, 4517, 4518

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Advised Uses: hot or cold compress

SECTION 2 — HAZARDS IDENTIFICATION

GHS Classification

GHS Regulatory Status: This chemical is not considered hazardous by the UN GHS (GHS Rev.10(2023)) .

GHS Label elements

1) **Signal word**: Not Applicable.
2) **Hazard class**: Not Applicable.
3) **Hazard pictograms**: Not Applicable.
4) **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.

5) **Precautionary Statements - Prevention:** P264 Wash thoroughly after handling.
6) **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.

7) **Storage**: Not applicable
8) **Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations

Other hazards which do not result in classification: Not applicable

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	%(weight)	ACGIH TLV		OSHA	
			TWA	STEL	PEL	STEL
Water	7732-18-5	40-80	N/Av	N/Av	N/Av	N/Av
Glycerin	56-81-5	10-30	N/Av	N/Av	N/Av	N/Av
Sodium Carboxymethyl Cellulose	9004-32-4	1-15	N/Av	N/Av	N/Av	N/Av
Preservative		0.01-1	N/Av	N/Av	N/Av	N/Av

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

SECTION 4 — FIRST-AID MEASURES

4.1 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 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.

Protection of first-aid: None.

4.2 Most important symptoms/effect, acute and delayed: See section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

- Note to Physicians: Treat symptomatically.
- Specific treatments: No further relevant information available.

SECTION 5 — FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing media most appropriate for the surrounding fire.

Unsuitable extinguishing media: Not applicable.

5.2 Specific hazards arising from the mixture: None.

5.3 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 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.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 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.

6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Keeping away from drains and ground water.

6.3 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 item 13.

6.4 Reference to other sections

See Section 7 for information on safe handing.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7 — HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING.

Handing: Ensure good local exhaust ventilation. Handle and open container with care. Keep container closed and away from incompatible substances, food, drink and dust/impurities. Minimize dust generation and accumulation. Avoid dust contact with eyes. 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.

7.2 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.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

8.1 Appropriate 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.

8.2 Personal protective equipment

8.2.1 Eye/face protection: Goggles should be worn to prevent irritation to eyes.

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

8.2.3 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.

8.2.4 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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance (physical state, color, etc.): Gel
(b) Odor: Odorless
(c) Odor threshold: No information found.
(d) pH: 6-8.
(e) Melting point/freezing point:-18°C.
(f) Initial boiling point and boiling range: about 100°C.
(g) Flash point: Not applicable
(h) Evaporation rate: No information found.

(i) Flammability (solid, gas): Not applicable
(j) Upper/lower flammability or explosive limits: Not applicable
(k) Vapor pressure: No information found.
(l) Vapor density: No information found.
(m) Relative density: about 1.1g/ml.
(n) Solubility(ies): Soluble
(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.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity: No information found.

10.2 Chemical Stability: The mixture is stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid: Strong Oxidizers.

10.5 Incompatible materials : Reactive with oxidizing agents.

10.6 Hazardous decomposition Products: No dangerous decomposition products known.

10.7 Incompatibilities with Other Materials: No further relevant information available.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 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_{50}	LD_{50}	
		Inh, rat	Oral	Dermal
Water	7732-18-5	N/A	N/A	N/A
Glycerin	56-81-5	No information available	27.200 mg/kg (Rat)	> 10.000 mg/kg (Rabbit)
Sodium Carboxymethyl Cellulose	9004-32-4	≥5800mg/m³(Rat)	27000mg/kg (Rat)	≥2000mg/kg (Rabbit)
Preservative	N/A	N/A	N/A	N/A

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

11.3 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.

SECTION 12 — ECOLOGICAL INFORMATION

12.1 TOXICITY

Acute/Chronic Toxicity:

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Glycerin	No data available	54.000 mg/l - 96 h (rainbow trout)	No data available	No data available
Sodium Carboxymethyl Cellulose	No data available	LC50: 100-1000mg/L, 96h static (Oncorhynchus mykiss)	No data available	EC5:8726 mg/l, 48 h(Daphnia)
Preservative	No data available	No data available	No data available	No data available

12.2 PERSISTENCE AND DEGRADABILITY: Not available.

12.3 BIOACCUMULATIVE POTENTIAL

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

12.4 MOBILITY IN SOIL: Not available.

12.5 OTHER ADVERSE EFFECTS: Not available.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Chemical waste 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, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

13.2 Contaminated packaging

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.

13.3 Disposal recommendations Refer to Section 13.1 and 13.2 above.

SECTION 14 — TRANSPORT INFORMATION

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

(b) UN proper shipping name(TDG, ADR, IMDG, IATA): Not applicable.

(c) Transport hazard class(TDG, ADR, IMDG, IATA): Non-hazardous for Transport.

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

(e) Environmental hazards(Marine pollutant): Refer to section 12.1.

(f) Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

(g) Special precautions for user: Not applicable.

(h) The product is not subject to IMO/IMDG code.

SECTION 15 — REGULATORY INFORMATION

Component	【EINECS】	【TSCA】	【DSL】	【IECSC】	【NZIoC】	【PICCS】	【KECI】	【AICS】
Water	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Glycerin	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Sodium Carboxymethyl Cellulose	Not 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

SECTION 16 — OTHER INFORMATION

16.1 Reference

[1] IPCS: The International Chemical Safety Cards (ICSC) ,website: http://www.ilo.org/dyn/icsc/showcard.home.

[2] IARC, Website: http://www.iarc.fr/.

[3] OECD: The Global Portal to Information on Chemical Substances,
website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

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

[5] NLM:ChemIDplus, website: http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp.

[6] EPA: Integrated Risk Information System, website: http://cfpub.epa.gov/iris/.

[7] U.S. Department of Transportation:ERG, website: http://www.phmsa.dot.gov/hazmat/library/erg.

[8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de/.

16.2 Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (GHS Rev.10(2023)) .The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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