



SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT: Reusable Hot & Cold Compress

Product Label Name: Reusable Hot & Cold Compress

Company Name and Address: Dukal Corporation
2 Fleetwood Court
Ronkonkoma, NY 11779

Emergency Telephone Number: 631-656-3800

Recommended use:

SECTION 2: HAZARDOUS INGREDIENTS

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Hazard Sorts: None.

Potential Health Effects:

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.

SECTION 3: INFORMATION ON INGREDIENTS

Chemical Name	Percent (by weight)	CAS No.	EC#
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 4: FIRST-AID MEASURES

Eyes: 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.

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

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.

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.

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.

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

Flash Point: Not applicable.

OSHA Standard Format



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Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available

SECTION 5: 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.

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

General Information: Review Section 5 and Section 7 before proceeding with clean-up. Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up material carefully, and then place into a suitable disposal container for disposal. Avoid generating dusty conditions. If appropriate, moisten first to prevent dusting. Contaminated floor may fume. Provide ventilation

SECTION 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

Storage: 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 8: EXPOSURE CONTROLS

Exposure Limit: No exposure limits is listed for this product.

Chemical

Name

ACGIH

NIOSH

OSHA - Final PELs

Glycerine	10 mg/m3 TWA	no established RELs - see Appendix D	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
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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:

Eyes: 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.

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

Respirators: 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 spilled or fire.

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

Boiling Point:	N/A
Vapor Pressure (mm Hg):	N/A
Vapor Density:	32
Specific Gravity:	.99
Melting Point:	N/A
Evaporation Rate (Butyl Acetate=1):	N/A
Solubility in Water:	insoluble
Appearance and Odor:	White/ Off-White Fabric w/ Medical Solvent-free Pressure. Sensitive Hot Melt Adhesive.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: The product is stable.

Conditions to Avoid: Incompatible materials, dust generation.

Incompatibilities with Other Materials: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Hazardous Polymerization: No

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information:

Composition: CAS# 9004-32-4

Routes of Entry: Eye contact. Inhalation. 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 = >570 mg/m³/1H;

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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)

SECTION 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

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

SECTION 13: DISPOSABLE CONSIDERATIONS

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. 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 14: TRANSPORTATION INFORMATION

Keep out of reach of children.

SECTION 15: REGULATORY INFORMATION

N/A



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SECTION 16: OTHER INFORMATION

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Disclaimer:

The information provided in this SDS is correct and is to the best of our knowledge, at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.