



Humco Holding Group, Inc.
7400 Alumax Dr
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800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300
All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: COOL & HEAT ROLL ON (MENTHOL)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cool & Heat Roll On (Menthol)

Compare to NBE Icy Hot

Synonyms: Maximum Strength Cool & Heat Pain Relieving Liquid

Recommended Use: Over the Counter Topical Analgesic Drug Product

Manufacturer by: Humco Holding Group, Inc.


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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Category 3: Flammable Liquid Category 2A: Eye Irritation
Signal Word:	Warning
Hazard Statements:	H226 Flammable liquid and vapor. H319 Causes serious eye irritation.

3. COMPOSITION / INGREDIENTS

Ingredients	CAS RN	Percentage
ETHANOL	64-17-5	34.7
MENTHOL	89-78-1	17.5
Water	7732-18-5	20.0
Glycerin	56-81-5	5.0
Propylene Glycol	57-55-6	20.0
CARBOPOL ETD 2020	176429-87-1	1.0
Capsaicin 2%	404-86-4	1.0
Isopropyl Myristate	110-27-0	0.1
Triethanolamine	102-71-6	0.75

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Not expected	Move to fresh air.
Ingestion	Not determined	Seek medical attention, or call a poison control center immediately if overdosed.
Skin	None expected	Take off immediately all contaminated clothing. Wash off with soap and water.
Eyes	Not determined	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:	Powder. Alcohol resistant foam.
Products of Combustion:	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.
Fire Fighting Equipment and Procedures:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Applies only to the product when used in an industrial setting. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground.
Method of Containment:	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.
Method for Clean-Up:	Industrial: Wipe up with absorbent material. Collect and place in a suitable disposal container. This material is not known to possess additional hazards when spilled, beyond those of other non-hazardous solids. Household: Product used in household may be disposed of in refuse or sewer.

7. HANDLING AND STORAGE

Handling:	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Storage:	18-26° C (65-79° F)

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. Provide eyewash station. Applies only to the product when used in an industrial setting.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Applies only to the product when used in an industrial setting. Wear safety glasses with side shields (or goggles).
Skin Protection:	Applies only to the product when used in an industrial setting. Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Respiratory Protection	Applies only to the product when used in an industrial setting. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
General Hygiene Considerations:	When using do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gel	Upper/Lower Flammability:	Not determined
Odor:	Menthol	Vapor Pressure	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	5.5 – 7.5	Relative Density:	Not determined
Melting point /Freezing Point:	Not determined	Solubilities:	Soluble in water
Boiling point/range:	> 78.33°C (> 173°F)	Partition coefficient: n-octanol/water:	Not determined
Flash point	> 23.9°C (> 75.0°F) Pensky-Martens Closed Cup	Auto-ignition temperature	398.89°C (750°F)
Evaporation rate	Not determined	Decomposition Temperature:	Not determined
Flammability:	Not determined	Viscosity	10000 (cSt) @ 25C

10. STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Ethanol: Inhalation LC50 – 39 gm ³ , 4 hours; Oral LD50 – 7000 – 11000 mg/kg. Glycerin: Oral LD50 – 12600 mg/kg.
Skin irritation:	No adverse effects due to skin contact are expected.
Eye contact damage:	Causes serious eye irritation.
Respiratory damage:	No adverse effects due to inhalation are expected.
Ingestion overdose:	Expected to be a low ingestion hazard.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
LD50	7000 mg/kg.
Symptoms associated with exposure:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Carcinogenicity:	This product is not considered to be a carcinogen.
OSHA:	Not listed.
NTP:	Not listed.
IARC:	Not listed.

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Chemical degradation:	No data is available on the degradability of this product.
Biodegradation:	No data is available on the degradability of this product.
Bioaccumulation potential	Partition coefficient n-octanol / water (log Kow) Glycerin: -1.76 Menthol: 3.3 Propylene Glycol: -0.92
Adsorption studies or leaching studies:	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION**US DOT**

UN number	N/A
UN proper shipping name	CONSUMER COMMODITY
Transport hazard class(es)	
Class	ORM-D
Subsidiary risk	—
Packing group	Not applicable.
Special precautions for user	Not available.

IATA

UN Number	ID800
UN proper shipping name	CONSUMER COMMODITY
Transport hazard class(es)	
Class	9
Subsidiary risk	—
Packing group	Not applicable.
Environmental hazards	No.
Special precautions for user	Not available.

IMDG

UN NUMBER	UN1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (contains Ethanol)
Transport hazard class(es)	
Class	3
Subsidiary risk	—
Packing group	III
Environmental hazards	
Marine pollutant	No
EmS	Not available.
Special precautions for user	Not available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. REGULATORY INFORMATION**US OSHA Standard (29 CFR Part 1910.1200)****Classification** Not regulated.**Other US Regulations****TSCA Status** Not regulated.**16. OTHER INFORMATION**

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