

Trade Name: Muscle Rub

**1. Product and Company Identification**

**Product Name:** Muscle Rub

**Recommended Use:** External Use. Temporary pain relief associate with simple backache, arthritis, strains, bruises, sprains

**Synonyms:** Muscle Rub

**Manufacturer/Supplier**

Natureplex, LLC  
 11085 Airport Road  
 Olive Branch, MS 38654-0221  
 662-874-1370 (Monday – Friday, 8:00 a.m. – 5:00 p.m. CST)

**Emergency Telephone Number:** 1-866-323-0107

**CHEMTREC:** 1-800-424-9300 (Transportation Spill Response 24 hours)

**2. Hazard Identification**

**Classification of the Product**

**GHS Classification:**

Acute Toxicity – Oral, Category 4  
 Germ Cell Mutagenicity, Category 2  
 Reproductive Toxicity, Category 2  
 Specific Target Organ Toxicity (single exposure), Category 3

**Pictogram:**



**Signal Word:** Warning

**Hazard Statements:**

Harmful if swallowed  
 Suspected of causing genetic defects  
 Suspected of damaging fertility or the unborn child  
 May cause respiratory irritation. May cause drowsiness or dizziness

**Precautionary Statements:**

P233 – Keep container tightly closed.  
 P280 Wear protective gloves/ clothing/ eye/ face protection.  
 P303 + P361 + P353 -IF ON SKIN ( or hair) : Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P501 Dispose of contents/ container in accordance with local, regional, national and international regulations.

**Precautionary Statements -Prevention**

Obtain special instructions before use

**Trade Name: Muscle Rub**

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF

SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

**Precautionary Statements -Storage**

Store locked up

Store in a well-ventilated place. Keep container lightly closed

**Precautionary Statements -Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC):** None known

**Other Information:**

May be harmful in contact with skin

Harmful to aquatic life with long lasting effects

**3. Composition/Information on Ingredients**

Chemical Name	CAS Number	Percent
PURIFIED WATER	7732-18-5	Trade Secret
CARBOPOL	9003-01-4	Trade Secret
RITACHOL 2000	8005-44-5; 9005-67-8	Trade Secret
CETYL ALCOHOL	36653-82-4	Trade Secret
METHYLPARABEN	99-76-3	Trade Secret
PROPYLPARABEN	94-13-3	Trade Secret
MINERAL OIL	8042-47-5	Trade Secret
MENTHOL CRYSTALS	2216-51-5	2.5
GLYCERIN	56-81-5	Trade Secret
PROPYLENE GLYCOL	57-55-6	Trade Secret
METHYL SALICYLATE	119-36-8	Trade Secret
TRIETHANOLAMINE (TEA) 99%	102-71-6	Trade Secret

\*Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**4. First Aid Measures**

**Emergency and First Aid Procedures**

**Inhalation:** Move victim to fresh air. If signs/symptoms continue, get medical attention.

**Eye Contact:** Do not rub eyes. Flush eyes thoroughly with water for 15 minutes. If condition worsens or irritation persists contact physician.

**Skin Contact:** Wash with plenty of soap and water. If skin irritation occurs get medical advice/attention.

Trade Name: Muscle Rub

**Ingestion:** Do not induce vomiting. Contact a physician or Poison Control Center.

**5. Fire Fighting Measures**

**Extinguishing media**

**Suitable extinguishing agents:** Carbon dioxide, dry powder extinguishers.

**Unsuitable extinguishing agents:** Direct water jet. CARBON DIOXIDE, water spray

**Hazardous Combustion Products:** Thermal decomposition or combustion may produce hazardous gases and/or materials.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**6. Accidental Release Measures**

**Personal precautions:** protective equipment and emergency procedures Remove sources of ignition and ventilate the area.

**Avoid inhalation of vapors:** use an appropriate respirator.

**Environmental Precautions:** Keep spills out of municipal sewers and open bodies of water.

**Methods and materials for containment and cleaning up:** Contain and absorb with an inert, inorganic, non-combustible material such as sand or earth and remove to a container for disposal according to local regulations.

Clean surface thoroughly to remove residual contamination. Avoid open flames or other sources of ignition.

Ventilate area and wash area after pickup is complete. Dispose of in accordance with applicable laws and regulations.

**7. Handling and Storage**

**Handling**

- Avoid breathing fume/mist/vapors/spray.
- Avoid direct or prolonged contact with skin and eyes.

**Storage**

- Store in a cool, dry place.
- Keep container tightly closed.
- Keep away from sources of ignition.
- ventilated place away from sources of heat and direct sunlight.

**Incompatible Materials:** Oxidizing agents. Strong bases.

**8. Exposure Controls/Personal Protection**

**Personal Protective Equipment:** No special measures required under normal usage.

Trade Name: Muscle Rub

**Eye/Face:** Wear safety glasses.  
**Skin/Body:** Wear appropriate gloves.  
**Respiratory:** For limited exposure use an N95 dust mask.  
**Engineering Measures/Controls:** Adequate ventilation systems as needed to control concentrations airborne containments below applicable threshold limit values.  
**Environmental Exposure Controls:** Follow best practice for site management and disposal of waste.

**9. Physical and Chemical Properties**

**Appearance**

**Physical state:** Smooth, white cream  
**Form:** Cream  
**Color:** White  
**Odor:** Wintergreen scent  
**Odor threshold:** NDA  
**pH:** 5.7 – 7.2  
**Viscosity:** ≥ 20,000 cps  
**Specific Gravity:** 0.96 – 1.02  
**Melting point/freezing point:** NDA  
**Initial boiling point and boiling range:** NDA  
**Flash point:** NDA  
**Evaporation rate:** NDA  
**Flammability (solid, gas):** NDA  
**Upper/lower flammability or explosive limits**  
**Flammability limit - lower (%):** NDA  
**Flammability limit - upper (%):** NDA  
**Explosive limit - lower (%):** NDA  
**Explosive limit - upper (%):** NDA  
**Vapor pressure:** NDA  
**Vapor density:** NDA  
**Relative density:** NDA  
**Solubility (water):** Soluble  
**Partition coefficient (n-octanol/water):** NDA  
**Auto-ignition temperature:** NDA  
**Decomposition temperature:** NDA

**10. Stability and Reactivity**

**Reactivity:** No dangerous reaction known under conditions of normal use.  
**Chemical Stability:** Stable under recommended storage conditions.  
**Conditions to Avoid:** Heat, flames and sparks. Protect from light.  
**Materials to Avoid:** Oxidizing agents. Strong bases.  
**Hazardous Decomposition Products:** Oxides of phosphorus. Oxides of sodium.  
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
**Hazardous Decomposition Products:** Carbon monoxide Carbon dioxide (CO2) Salicylic acid.  
**Possibility of Hazardous Reactions:** None under normal processing.

**11. Toxicological Information**

# SAFETY DATA SHEET

Prepared Date: August 17, 2022

Trade Name: Muscle Rub

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methyl Salicylate	= 887 mg/kg ( Rat )	2500 mg/kg ( Rat ) > 5000 mg/kg (Rabbit)	

**Information on likely routes of exposure:**

**Eyes:** Irritating to eyes. Avoid contact with eyes.

**Skin:** May be harmful by skin contact. Irritating to skin. May be absorbed through the skin in harmful amounts. Avoid contact with skin.

**Inhalation:** May be harmful by inhalation. Irritating to mucous membranes. Irritating to respiratory system. Irritation may lead to chemical pneumonitis and pulmonary edema. May cause lung damage. Avoid breathing vapors or mists.

**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. Systemic effects of exposure include initial stimulation and later central nervous system depression. May cause vomiting. Nausea. May cause headache and dizziness. Coma. May cause muscle paralysis, respiratory failure, and possible death. Do not ingest.

**Information on toxicological effects:**

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure.

**Irritation:** Skin-rabbit: 500 mg 24H MOD; Eye-rabbit: 500 mg 24H MLD;

**Eye damage/irritation:** NDA

**Skin Corrosion/Irritation:** NDA

**Sensitization:** NDA

**Reproductive Effects:** Experimental reproductive effects.

**Mutagenic Effects:** Possible mutagen.

**Developmental Effects:** NDA

**Teratogenic Effects:** Experimental teratogen.

**STOT - single exposure:** NDA

**STOT - Repeated Exposure:** NDA

**Chronic Toxicity:** Avoid Experimental repeated teratogen. exposure. Target Possible Organ mutagen. Effects. Liver Experimental and kidney reproductive injuries may affects. occur. Chronic exposure Metabolic may disturbances. cause blood Mild effects. chronic May salicylate cause Central intoxication Nervous is tenned System salicylism. depression. Symptoms mental include confusion, headache, lassitude, dizziness, ringing drowsiness, in the sweating, ears, difficulty thirst, in hearing, hyperventilation, dimness nausea, of vision, vomiting, characterized and by more occasionally pronounced diarrhea. A Central more Nervous severe degree System of salicylate disturbances Intoxication (including is balance. Generalize.

**Target Organ Effects:** Central nervous system (CNS), Liver, Kidney, Eyes, Ears, Respiratory

Trade Name: Muscle Rub

system, Skin.

**Aspiration Hazard:** NDA

**Numerical measures of toxicity - Product Information**

**Acute Toxicity:** 100 % of the mixture consists of ingredient(s) of unknown toxicity

**Menthol**

**Information on toxicological effects:** NDA

**12. Ecological Information**

**Ecotoxicity effects:** Avoid release to the environment

**Aquatic toxicity effects:** NDA

**Bioaccumulative potential:** NDA

**13. Disposal Considerations**

**Waste Disposal Method:** Dispose of in accordance with local and national regulations.

**14. Transport Information**

Transport Information This material is not classified as hazardous for transport.

U.S. Department of Transport (DOT) - Not regulated

Canadian Transport of Dangerous Goods (TDG) - Not regulated

International Civil Aviation Organization (ICAO) - Not regulated

International Air Transport Association (IATA) - Not regulated

International Maritime Dangerous Goods (IMDG)/International Maritime Organization (IMO) - Not regulated

Transport of Dangerous Goods by Rail (RID) - Not regulated

Transport of Dangerous Goods by Road (ADR) - Not regulated

Transportation of Dangerous Goods via Inland Waterways (ADN) - Not regulated

**15. Regulatory Information**

**OSHA Regulatory Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

This product does not contain any HAPs.

**State Regulations**

California Proposition 65 - This product does not contain any Proposition 65 chemicals.

Canada -Not classified

WHMIS Hazard Class - Non-controlled

*Prepared Date: August 17, 2022***Trade Name: Muscle Rub**

European Union - In accordance with EC directives or respective national laws, the product does not need to be classified nor labeled.

**16. Other Information****Last Revision: 21 December 2021****Revised Date: 17 August 2022**

See Patient Package Insert for more information

Disclaimer: The information herein is based on data considered to be accurate as of the date of preparation of this safety data sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

Key to abbreviations: NDA = No Data Available

Uncontrolled Copy