



Mueller Sports Medicine, Inc.
One Quench Drive, Prairie du Sac, WI 53578 USA * (608) 643-8530 * Fax (608) 643-2568

MATERIAL SAFETY DATA SHEET

MATERIAL Muellergesic®	DATE ISSUED 03-19-04	SUPERCEDES 08-01-01
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I. IDENTITY:

Label Name: **Muellergesic**

Chemical Name and Synonyms: N/A

Package types: Metal tube or plastic jar

Chemical Family: Mixture

Product Class: Topical analgesic balm

II. HAZARDOUS INGREDIENTS:

Hazardous

Components	CAS #	OSHA- PEL	ACGIH- TLV	%
Methyl Salicylate	118-36-8	None established	None established	14
Menthol	89-78-1	None established	None established	2

III. PHYSICAL CHARACTERISTICS:

Boiling Point: Unknown

Vapor Pressure: Unknown

Vapor Density: (Air=1): N/A

Solubility in Water: Insoluble

Specific Gravity (Water=1): ~0.8

Melting Point: ~ 60° C

Evaporation Rate: N/A

Percent Volatile by Volume: 16

Appearance and Odor: Yellow ointment with wintergreen odor

IV. FIRE AND EXPLOSION HAZARD:

Flash Point: Unknown

Flammable Limits: Unknown

Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Unusual



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Fire and Explosion Hazards: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

V. REACTIVITY DATA:

Stability: Stable

Conditions to Avoid: None known

Incompatibility to Avoid: Strong oxidizing agents

Hazardous Decomposition Byproducts: Salicylic acid, methanol.

Hazardous Polymerization: Will not occur at room temperatures

VI. HEALTH HAZARD DATA:

Effects of acute overexposure for Methyl Salicylate:

Eyes: May cause temporary eye irritation. Corneal injury is unlikely.

Skin: Prolonged or repeated exposure may cause skin irritation.

Ingestion: Single dose oral toxicity is moderate. The oral LD₅₀ for rats is approximately 1500 mg/kg. Signs and symptoms of excessive exposure may be nausea and/or vomiting. Even though the acute oral toxicity for rats is low, people have ingested lethal doses. Ingestion may also cause GI irritation, ringing in the ears, acid-base imbalance and possible kidney damage.

Inhalation: A single prolonged (hours) excessive inhalation exposure may cause adverse effects. Excessive exposure may cause lung injury.

Systemic and other: Repeated excessive exposure may cause nausea, vomiting, metabolic disturbances and possibly kidney damage. Did not cause cancer in long-term animal studies. Has caused birth defects in laboratory animals only at doses toxic to the mother. High dietary levels of methyl salicylate have reduced the viability of young in a 3-generation reproduction study.

Emergency First Aid Procedures:

Inhalation: Remove to fresh air. Consult a physician.

Skin: Remove any contaminated clothing and launder before reuse. Wash skin thoroughly. Seek medical attention if irritation or burns develop.

Eyes: Flush eyes immediately with large amounts of running water for at least 15 minutes.

Ingestion: NEVER give anything by mouth to an unconscious person. If swallowed, DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. SEEK MEDICAL ATTENTION IMMEDIATELY.



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VII. PRECAUTIONS FOR SAFE HANDLING AND USE:

Spills: Spills should be contained, collected into absorbent material and disposed of in accordance with all applicable federal, state and local regulations.

Handling and Storage: Store at moderate room temperature (50-110 ° F). Cooler temperatures prolong shelf-life. Wash thoroughly after handling. Read label carefully and follow directions.

VIII. CONTROL MEASURES:

Respiratory Protection: None required with normal use.

Ventilation: No special requirements.

Protective Gloves: Not required.

Eye Protection: Preferred.

Protective Clothing or Equipment: Not required.

Abbreviation Key: N/A : not applicable.

The information contained herein is believed to be accurate. It is the user's obligation to determine the safe use of the product.