

#51613

GENDERM CORPORATION  
EFFECTIVE DATE: 07/01/92

MATERIAL SAFETY DATA SHEET  
STEP 2 RINSE

This Material Safety Data Sheet contains information from specific ingredients contained in this product. Where appropriate, the most hazardous ingredient is cited.

- 1. **INGREDIENTS:**
  - Water
  - Formic Acid and Sodium Formate
  - Glyceryl Stearate and PEG-100 Stearate
  - Polyquaternium-10
  - Benzyl Alcohol
  - Cetyl Alcohol

2. **HAZARD INFORMATION:**

	<u>PEL-TWA</u>	<u>TLV-TWA</u>	<u>TLV-STEL</u>
Formic Acid	5 ppm	5 ppm	10 ppm

Cetyl alcohol has a HMIS rating of  
Health = 0, Fire = 1 (slight), Reactivity = 0

Cetyl alcohol, which comprises only 1.0% of this product, is not considered a hazardous chemical.

3. **PHYSICAL DATA:**

BOILING POINT: > 212 °F  
 VAPOR PRESSURE: < 1 mm Hg @ 25 °C  
 VAPOR DENSITY (Air = 1): Not determined  
 SOLUBILITY IN WATER: Benzyl alcohol is 4.0% @ 62.6 °F. Cetyl alcohol is insoluble.  
 SPECIFIC GRAVITY: Not applicable  
 PERCENT VOLATILE: Formic acid and Sodium Formate are 68% volatile. Polyquaternium-10 is 6% volatile.  
 APPEARANCE: White lotion.  
 ODOR: Formic acid odor.  
 EVAPORATION RATE (N-butyl acetate = 1): Not applicable.  
 pH: Not determined  
 VISCOSITY: NLT 6500 cps

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4. FIRE AND EXPLOSION DATA:

FLASH POINT: > 200 °F

FLAMMABLE LIMITS: Not Determined

EXTINGUISHING MEDIA: Water solution, CO<sub>2</sub>, dry chemical, Water spray, foam.

FIRE FIGHTING PROCEDURES AND EQUIPMENT:

Wear self-contained, positive-pressure, breathing apparatus and full protective clothing. Use standard procedures and preferred extinguishing media as stated. Keep product cool.

FIRE AND EXPLOSION HAZARDS:

There should be no problem with individual patient packages of the finished product.

5. REACTIVITY DATA:

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (Materials to avoid): Strong oxidizing agents, bases, "white metals".

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, or nitrogen oxides.

CONDITIONS TO AVOID: Flame, electric spark, heat.

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**6. HEALTH HAZARD DATA:**

**NOTE:** The following hazard information is based on the most hazardous ingredient which makes up at least 5% (w/w) of the finished product.

**EYE CONTACT:** Formic Acid and Sodium Formate may cause irritation.

**SKIN CONTACT:** Formic Acid and Sodium Formate may cause irritation.

**INGESTION (SWALLOWING):** Ingestion of Formic Acid and Sodium Formate may abdominal pain and vomiting.

**INHALATION (BREATHING):** Inhalation of Formic Acid and Sodium Formate may cause nausea, headache, and can be very irritating to the respiratory tract.

**7. ENVIRONMENTAL AND DISPOSAL INFORMATION:**

**ACTION TO TAKE FOR SPILLS OR LEAKS:**

Sweep up and recover material with moist absorbent and dispose of into waste container. Wash contaminated area with water. Ventilate area. Follow good industrial hygiene practices.

**NOTE:** Will not have a problem with individual patient dosage units. Wipe up spill with absorbent material and keep away from all sources of ignition and flame.

**WASTE DISPOSAL METHOD:**

Dispose of material according to all local, state, and federal regulations.

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**8. FIRST AID:**

**EYE CONTACT:** Immediately flush with water for 15 minutes.  
Get medical attention.

**SKIN CONTACT:** If excessive or inadvertent contact occurs,  
wash with soap and water. Remove contaminated clothing  
and wash before reuse. Get medical attention.

**INGESTION (SWALLOWING):** Give one or two glasses of water or  
milk. Do not induce vomiting without consulting a  
physician first. Never give anything by mouth if victim  
is unconscious or having convulsions. Seek medical  
attention.

**INHALATION (BREATHING):** Move victim to fresh air. If victim  
is not breathing, artificial respiration should be  
administered by qualified personnel. Seek medical  
attention.

**9. HANDLING PRECAUTIONS:**

**NOTE:** The following precautions pertain to constant handling  
of large quantities. No special precautions are needed  
for handling patient packages of finished material.

**VENTILATION:** Control airborne concentrations below the  
exposure guideline. Use adequate ventilation.

**RESPIRATORY PROTECTION:** If needed, use MSHA-NIOSH approved  
respirator for dusts, mists and fumes. If respiratory  
irritation is experienced, use an approved air-purifying  
respirator. Use self-contained breathing apparatus.

**SKIN PROTECTION:** Use impervious gloves, boots, apron when  
prolonged or frequently repeated contact could occur.  
Wear safety shoes. Remove contaminated clothing  
immediately, wash skin area with soap and water, and  
launder clothing before reuse. Have an eye wash and  
safety shower in work area.

**EYE PROTECTION:** Use chemical goggles or safety glasses.

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10. SPECIAL PRECAUTIONS:

HANDLING AND STORAGE: Store at or below controlled room temperature 30 °C (86 °F).

11. REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSD Sheet for health and safety information.

U.S. REGULATIONS:

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title 111) and is considered, under applicable definitions, to meet the following categories:

None

CALIFORNIA PROPOSITION 65: There are no ingredients which contain a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.