




SAFETY DATA SHEET

Penicillin G Procaine in Sesame Oil	
SECTION 1 – IDENTIFICATION	
Product Name:	Penicillin G Procaine in Sesame Oil
Amount:	100,000 units/10mL syringe
Company Identification:	G.C. Hanford Manufacturing Company 304 Oneida Street Syracuse, NY 13201 (315) 476-7418
Emergency Contact Info:	CHEMTREC 800-424-9300
Intended Uses:	This product is intended for the treatment of bovine mastitis in dry and lactating cows.
Jurisdiction:	This Safety Data Sheet meets the requirements of the OSHA Hazard Communication Standard.
SECTION 2 – HAZARD(S) IDENTIFICATION	
Appearance:	Cream color suspension.
Signal Word:	CAUTION
Routes of Entry:	Inhalation, eye/skin contact, or ingestion.
Hazard Statements:	Not for human use. Persons with known hypersensitivity to penicillin should avoid exposure to this product.
	
SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS	
Ingredient 1:	Penicillin G Procaine
Chemical name:	Penicillin G Procaine; Procaine benzylpenicillin
CAS #:	54-35-3
Molecular Formula:	C ₂₉ H ₃₈ N ₄ O ₆ S
Molecular Weight:	570.7
Content:	Approximately 1.2%
Ingredient 2:	Sesame Oil
Chemical name:	Sesame Oil; gingilloil
CAS #:	8008-74-0
Molecular Formula:	-
Molecular Weight:	-
Content:	Approximately 96%



SECTION 4 – FIRST AID MEASURES	
Eye Contact:	Not expected to be a hazard to the eye with prescribed use. Immediately rinse eyes with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice if symptoms or irritation occur or persist.
Skin Contact:	Not expected to be a skin hazard with prescribed use. In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a physician.
Inhalation:	Not expected to be an inhalation hazard with prescribed use. Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a physician.
Ingestion:	Not expected to be an ingestion hazard with prescribed use. Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control Center. If symptoms occur or persist, consult a physician.
Symptoms and Effects of Exposure:	For information on potential signs and symptoms of exposure, see Section 11.
SECTION 5 – FIRE-FIGHTING MEASURES	
Extinguishing Media:	If involved in fire, water or carbon dioxide may be used.
Fire Fighting Procedures:	Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.
Hazardous Combustion Products:	Formation of toxic gases containing carbon oxides, sulfur oxides, and nitrogen oxides is possible during heating or fire.
Fire/Explosion Hazards:	None known.
SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Refer to protective measures listed in Section 8. Use recommended personal protective equipment. Eliminate all sources of ignition, ventilate area and avoid dust generation. Minimize exposure.
Environmental Precautions:	Avoid environmental release; prevent release to drains and waterways. Place waste in an appropriately labeled, sealed container for disposal.



Clean-up Methods:	Contain and collect spillage and place in container for disposal according to local regulations (See Section 13). A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.
Additional Consideration for Large Spills:	Non-essential personnel should be evacuated from the area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

SECTION 7 – HANDLING AND STORAGE

Handling Precautions:	When handling pharmaceutical products, avoid contact with eyes, skin, and clothing, and avoid inhalation of dust, fumes, mist and/or vapors associated with the product. Keep away from sources of ignition. Minimize dust generation and accumulation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Avoid environmental release. Do not eat, drink, or smoke when using this substance.
Storage Conditions:	Store as directed by product packaging and/or labeling.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	Source (NIOSH) Type (REL) Limit: 10mg/m ³ (mist)
Engineering Controls:	General room ventilation is adequate unless the process generates dust, mist, or fumes. Use local exhaust ventilation if necessary.
Respiratory Protection:	If respiratory protection is used, the type of protection will depend upon air concentration present, required protection factor as well as hazards, physical properties of substance present.
Eye Protection:	Safety glasses with side shields or goggles are recommended.
Hand Protection:	Chemical resistant gloves.
Skin and Body Protection:	Protect with disposable garments if direct skin contact is anticipated.
Hygiene:	Wash hands and face before breaks and immediately after handling the product.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Suspension
Color:	Off white
Odor:	Odorless
Density (relative):	Not available



Boiling Point:	Not available
Freezing Point:	Not available
Melting Point:	Not available
Solubility:	Slightly soluble in water
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	UEL: Not available LEL: Not available
pH:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	Not available
SECTION 10 - STABILITY AND REACTIVITY	
Chemical Stability:	Stable, no hazardous polymerization under normal conditions.
Conditions to Avoid:	Keep away from heat, sparks, and open flame.
Incompatible Materials:	None reported
Hazardous Decomposition Products:	When heated to decomposition, emits highly toxic fumes.
SECTION 11 – TOXICOLOGICAL INFORMATION	
Routes of Entry:	Ingestion, inhalation, eye contact, skin contact.
Eye Irritation:	Contact may be irritating to eyes.
Skin Irritation:	May cause sensitization and irritation by skin contact. Persons known to be allergic to penicillin must avoid exposure. Sensitization problems exist.
Inhalation:	The substance or preparation can induce specific respiratory hypersensitivity. In this context hypersensitivity is normally seen as asthma, but other hypersensitivity reaction such as rhinitis and alveolitis are also considered. The condition will have the clinical character of an allergic reaction.
Acute Exposure:	Persons allergic to penicillin may suffer anaphylactic reaction. Get medical attention at once. Flush skin and eye contact with water, get medical care for eyes. Remove to fresh air. Oral LD50(rat): >5000mg/kg, (mouse) 2300mg/kg
SECTION 12 - ECOLOGICAL INFORMATION	
Releases to the environment should be avoided.	
Exotoxicity:	Not available



Chemical Fate:	Not available
Environmental Fate:	Not available
SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal Procedure:	Must be in accordance with federal, state and local regulations. Do not empty into drains or contaminate water, food, or feed by disposal.
SECTION 14 – TRANSPORT INFORMATION	
This material is not a dangerous good for the purpose of transportation.	
SECTION 15 – REGULATORY INFORMATION	
OSHA Hazards:	Skin and respiratory sensitizer.
OSHA Label:	WARNING: May cause allergic skin reaction. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause damage to liver through prolonged or repeated exposure.
SECTION 16 – OTHER INFORMATION	
SDS Prepared by:	G.C. Hanford Manufacturing Company Regulatory Affairs Department 304 Oneida Street Syracuse, NY 13201
References:	Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised 2012, Safety Data Sheets, www.OSHA.gov .
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