

Section 1 – Product and Company Identification

Manufacturer Information

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Product Information

Product Name: Pen/Strep 100X (Catalog #: 10-010100)

Intended Use: General purpose laboratory reagent. Not intended for human or animal diagnostic or therapeutic uses.


Components: 100 mL Plastic Bottle (typically frozen)

Section 2 – Hazards Identification

Emergency Overview

Kit Component	OSHA Hazards	Target Organs	GHS Classification
Pen/Strep 100X	Sensitizer	Respiratory, Skin	Respiratory Sensitizer (Category 1) Skin Sensitizer (Category 1) Reproductive Toxicity (Category 1A) STOT SE (Category 2)

GHS Classification and Label Elements

Component	Pictogram	Hazard Statements	Precautionary Statements
Pen/Strep 100X		H317 May cause allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	P264 Wash hands thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves and safety glasses. P308+P313: If exposed or concerned – get medical advice/attention. P304+P340: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. P342+P311: If experiencing respiratory symptoms: Call poison center or doctor/physician. P305+P351+p338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Signal Word	H360 May damage fertility or the unborn child. H371 May cause damage to organs.	
	Warning		
Supplemental Hazard Statements		1. Follow Universal Precautions when working with this kit.	

Hazards Not Otherwise Classified (HNOC) or not covered by GHS: None

Section 3 – Composition / Information on Ingredients

Component	Chemical Name	CAS #	EINECS #	Conc. (%)	Component Volume
Pen/Strep 100X	Streptomycin Sulfate	3810-74-0	223-286-0	0.5 to 1.5	100 mL
	Penicillin G Sodium Salt	69-57-8	204-038-0	0.1 to 1.0	

Section 4 – First Aid Measures

General Advice

Move out of exposure area. Consult a physician. Show this safety data sheet to the doctor in attendance, as necessary.

- If inhaled:* Move the person to fresh air and support breathing as required.
- In case of skin contact:* Wash affected area with soap and water. Seek medical advice if irritation develops.
- In case of eye contact:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.
- If swallowed:* Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice if irritation develops.
- Note to Physicians:* Treat symptomatically.

Section 5 – Fire Fighting Measures

General Advice

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to extinguish a fire.

- Extinguishing Media:* For small fires, use dry chemical, water spray, carbon dioxide or alcohol-resistant foam.
- General Fire Hazards:* The components within this kit will not significantly contribute to the intensity of a fire.
- Hazardous Combustion Products:* No data available
- Fire Fighting Equipment:* Firefighters should wear full protective gear when responding to fires.

Section 6 – Accidental Release Measures

General Advice

Only individuals properly trained and issued appropriate personal protective equipment should respond and attempt to clean up a spill or release. Large spills of the solutions, controls or reagents contained within this kit are unlikely.

- Personal Precautions:* Use personal protective equipment, including protective gloves and safety glasses when cleaning up small spills of the solutions, controls or reagents within this kit. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Keep all unnecessary personnel away from the spill area.
- Materials and Methods for Clean-Up:* Soak up with inert absorbent material (e.g., paper towel, etc.). Thoroughly wash the area with soap and water after a spill or release clean-up.
- Recovery and Neutralization:* Collect spilled material and clean-up supplies and place in sealed container for disposal. Refer to Section 13 for disposal guidance.
- Environmental Precautions:* Contain spill to prevent migration to drains, sewers or open water sources. Discharge into the environment must be avoided.

Section 7 – Handling and Storage

Specific Use: For research use only. Not for use by the general public.

Precautions for Safe Handling

As with all chemical and biological substances, avoid getting the components within this kit ON YOU or IN YOU. Wash exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal Precautions should be followed when handling and working with this kit. Keep out of reach of the general public.

Conditions for Safe Storage: To maintain efficacy, store according to the kit specific Package Insert instructions.

Incompatibilities To maintain efficacy, store according to the kit specific Package Insert instructions.

Section 8 – Exposure Controls and Personal Protection

Exposure Limits: No data available for the specific components within this kit.

Exposure Controls:

Engineering Measures Use with adequate ventilation.

Personal Protective Equipment

Respiratory Protection: None needed under normal conditions of use.

Hand Protection: Handle with appropriately rated chemical resistant gloves. Gloves should be inspected prior to use. Use proper glove technique to remove gloves to avoid contact with skin. Wash hands after handling the components within this kit.

Eye Protection: Wear safety glasses with side shields or goggles to prevent eye contact.

Skin and Body Protection: Use body protection appropriate for the task. A laboratory coat is recommended.

Hygiene Measures: Wash hands before and after use and at the end of the workday.

Environmental Exposure Controls

No special environmental controls are required.

Section 9 – Physical and Chemical Properties

Characteristic	Pen/Strep 100X
Boiling Point (°C)	No data available
Melting Point (°C)	No data available
Specific Gravity (H ₂ O = 1)	No data available
Vapor Pressure (mm Hg)	No data available
Vapor Density (Air = 1)	No data available
Evaporation Rate (Ether = 1)	No data available
pH	No data available
Solubility in Water	Soluble
Appearance and Odor	Colorless, clear liquid, odorless

Section 10 – Stability and Reactivity

Characteristic	Pen/Strep 100X
Component Stability	Stable
Hazard Reaction Potential	No data available
Conditions to Avoid	No data available
Materials to Avoid	No data available
Hazardous Decomposition Products	No data available

Section 11 – Toxicological Information

Acute Toxicity

Component Analysis – LD50 / LC50 / Irritation (No data available for specific kit components)

Chemical Name	CAS #	RTECS #	Information
Streptomycin Sulfate	3810-74-0	No data available	Oral LD ₅₀ Rat 6,916 mg/kg Inhalation LC ₅₀ No data available Dermal LD ₅₀ No data available
Penicillin G	69-57-8	No data available	Oral LD ₅₀ Rat 430 mg/kg Inhalation LC ₅₀ No data available Dermal LD ₅₀ No data available

Potential Health Effects: Pen/Strep 100X: Sensitizer

Skin Corrosion/ Irritation: No data available

Serious Eye Damage / Irritation: No data available

Generative Cell Mutagenicity: No data available

Skin or Respiratory Sensitization:

May cause sensitization by skin contact.

May cause sensitization by inhalation.

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation upon contact.

Eyes: May cause serious eye irritation.

Ingestion: May be harmful if swallowed.

Carcinogenicity

No component of this kit present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, IARC, NTP or OSHA.

Reproductive Toxicity No data available

Teratogenicity No data available

Specified Target Organ General Toxicity (GHS)

Single Exposure (GHS): No data available

Repeated Exposure (GHS): No data available

Aspiration Respiratory Organs Hazard None anticipated under product use conditions.

Synergistic Effects No data available

Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for the components within this kit.

Pen/Strep 100X: Liver – irregularities – Based on Human Evidence (Streptomycin Sulfate)

Section 12 – Ecological Information

Ecotoxicity	No data available
Mobility in Soil	No data available
Persistence / Degradability	No data available
PBT and vPvB Assessment	No data available
Bioaccumulation	No data available
Other Adverse Effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Avoid release to the environment.

Section 13 – Disposal Considerations

Waste Disposal Instructions

Utilize appropriate personal protective equipment and spill control when handling wastes generated from using this kit. Do not discharge any of the solutions, reagents, controls, cultures or media into drains, water courses or onto the ground.

Disposal of Product and Contaminated Packaging

Dispose of waste materials, unused components and contaminated packaging in compliance with country, federal, state and local regulations. If unsure of the applicable regulatory requirements, contact a licensed professional waste disposal service to dispose of this material.

Section 14 – Transportation Information

U.S. Department of Transportation (DOT)	This material is not regulated for transport.
International Air Transportation (IATA)	This material is not regulated for transport.
International Maritime Dangerous Goods (IMDG)	This material is not regulated for transport.

Section 15 – Regulatory Information

Regulatory Information

U.S. Federal Regulations

OSHA Hazards	<u>Pen/Strep 100X</u> : Sensitizer
SARA 302	The following chemicals are subject to reporting levels established by SARA Title III, Section 302: No chemicals in this kit are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313	The following chemicals are subject to reporting levels established by SARA Title III, Section 313: No chemicals in this kit are subject to the reporting requirements of SARA Title III, Section 313.
SARA 311/312	No SARA hazards.

State Regulations

The following chemical(s) appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
Streptomycin Sulfate	3810-74-5	No	No	No	No	No	No
Penicillin G	69-57-8	No	No	No	No	No	No

Section 15 – Regulatory Information (cont'd)

California Prop 65:

WARNING! The Pen/Strep 100X contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Streptomycin Sulfate CAS#: 3810-74-5 Revision Date: 2007-09-28 Category: Developmental

Canadian – WHMIS IDL

Chemical Name	CAS #	Minimum Concentration
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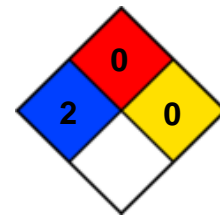
Additional Regulatory Information
Safety, Health and Environmental regulations/legislation specific for the mixture:

Not completed for this components contained within this kit.

Chemical Safety Assessment:

Not completed for this components contained within this kit.

HMIS Kit Classification:

NFPA Kit Classification:


Section 16 – Other Information

PREPARED BY: Quidel Corporation
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SUPERCEDES: SDS-901en (v2010APR16)

REVISIONS: Update to GHS compliant format along with rebranding from Diagnostic Hybrids to Quidel.

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