



SAFETY DATA SHEET

In compliance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling, and packaging of substances, Directive 98/79/EC on In Vitro Diagnostic Medical Devices and mixtures, REACH Regulation (EC) No 1907/2006 and Commission Regulation (EU) 2021/979 amendment, and U.S. OSHA Hazard Communication 29CFR1910.1200

Section 1: Product Identification

Product Name: Sperm-Chex® & Sperm-Chex Post Vasectomy

Synonyms: N/A

CAS Number: N/A, Mixture

Product Use: An assayed control intended for monitoring sperm counts performed manually using a hemocytometer to validate quantification of sperm in seminal fluids.

Manufacturer: Streck

Address: 7002 S. 109 St,
La Vista, NE, 68128

Emergency: Business hours: 1-402-333-1982
24hr (Chem.-Tel): 1-800-255-3924

Section 2: Hazards Identification

Classification: Physical Hazards:

Flammable liquids, category 3

Health Hazards:

Acute Toxicity: Oral, category 4

Skin corrosion/ irritation, category 2

Serious Eye damage, category 1

Carcinogenicity, category 1A

Acute Aquatic Toxicity, category 2

Chronic Aquatic Toxicity, category 2

Label Elements: Container labeling is not required on medical devices per 29CFR1910.1200(b)(5)(iii).

Symbol: Health Hazard, Corrosion, Skull & Crossbones, Environment, Flame

Signal Word: Danger

Hazard Statements: Harmful if swallowed
Causes severe skin burns and eye damage
Causes serious eye damage
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause allergic skin reaction
May cause cancer
Causes damage to organs
May cause respiratory irritation
Causes damage to organs through prolonged or repeated exposure
Toxic to aquatic life with long lasting effects
Flammable liquid and vapor



Precautionary Statements:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep container tightly closed and store locked up and in a well-ventilated place.

Do not breathe mist/vapors/spray or eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

IF exposed or concerned: Get medical advice/attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

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

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Avoid release to the environment.

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Other hazards: N/A

Section 3: Composition

CAS #	Component	% by weight
50-00-0	Formaldehyde	≥ 1 - < 5 %

Specific chemical formula is being withheld as a trade secret.

Contains stabilized mammalian sperm in a preservative medium. Product contains dilute formalin.

Section 4: First Aid Measures

List specific first aid measures for:

- Skin Contact** - Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. Call a physician or poison control center immediately. If skin irritation or an allergic skin reaction develops, get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
- Eye contact** - Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately.
- Ingestion** - Drink a few glasses of water or milk. Never give liquid to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
- Inhalation** - Move to fresh air. Call a physician or poison control center immediately. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration.



Most important symptoms and effects, both acute and delayed:

Causes severe skin and eye burns. Toxic if swallowed, inhaled or in contact with skin, and may cause allergic skin reaction.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable Extinguishing media	Water spray, foam, dry powder or carbon dioxide. Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the chemical	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. Heat may cause the containers to explode. In the event of fire carbon oxides may be produced.
Special protective equipment and precautions for fire-fighters.	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

PPE needed for clean up: Standard Laboratory: Handle with laboratory gloves. Wear safety glasses or face shield. Wear appropriate lab coat.

Methods and materials for containment and cleaning up

Spill clean-up procedure: Absorb spill with absorbent disposable towels.

Follow-up guidelines: Dispose as potential infectious waste in accordance with your institution's biohazardous waste disposal plan.

Section 7: Handling and Storage

Handling	For in Vitro Diagnostic Use. See instructions for use for proper handling procedures.		
Storage	Cap the vial tightly and store upright. After opening, Sperm-Chex is stable throughout the open-vial dating, as indicated on the assay sheet, when stored at 2 °C to 8 °C.		
Temp	2 °C to 8 °C	Avoid	Heat, sparks, flames and contact with strong oxidizing agents, alkalis, strong acids and strong bases.
Warnings	Keep refrigerated		

Section 8: Exposure Control and Personal Protection

Control parameters: Does not contain substances with occupational exposure limit values.

Engineering control recommendations: Product contains dilute formalin. Good general ventilation (typically 10 air changes per hour) should be used. In case of inadequate ventilation use a suitable respirator.

Individual protection measures:

PPE: Standard Laboratory: Handle with laboratory gloves. Wear safety glasses or face shield. Wear appropriate lab coat.

Additional suggestions: This product should be handled in the same manner as patient samples.

Section 9: Physical and Chemical Properties

Physical State	Liquid	Color	Clear with slight turbidity
Odor	Distinct	Odor Threshold	No data available
pH	7-9.5	Melting/ Freezing point	No data available
Boiling point	No data available	Boiling range	No data available
Flash Point	No data available	Evaporation rate	No data available
Flammability	No data available	Upper/lower flammability	No data available
Explosive limits	No data available	Vapor pressure	No data available
Vapor density	No data available	Relative density	No data available
Solubility(ies)	Water	Partition coefficient: n-octano/ water	No data available
Auto-ignition temperature	No data available	Decomposition Temperature	No data available
Viscosity	No data available		

Section 10: Stability and Reactivity

- Reactivity:** No data available
- Chemical Stability:** Stable under recommended storage conditions.
- Possibility of hazardous reactions:** No data available
- Conditions to avoid:** Heat, sparks, and flames
- Incompatible materials:** Strong oxidizing agents, alkalis, strong acids and strong bases.
- Hazardous decomposition products:** Formaldehyde. See Section 5: Fire Fighting: special hazards for decomposition under fire conditions.

Section 11: Toxicological Properties

Toxicological effects:	Toxic if swallowed, in contact with skin or inhaled
Route(s) of exposure:	Eyes, skin, inhalation and ingestion
Symptoms:	May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Delayed effects:	No data available
Immediate effects:	Causes severe skin burns and serious eye damage.
Chronic effects:	Short exposure: No data available



	Long exposure: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.
Exposure limits	No data available
Carcinogenicity	May cause cancer.
Measures of Toxicity	Oral: ATE mix: 2673.80 mg/kg

Section 12: Ecological Information

No Data Available

Section 13: Disposal Considerations

This product should not be disposed of in general waste, but should be disposed with infectious medical waste. Disposal by incineration is recommended. Adhere to local, state, and federal regulations with regard to disposal of this product.

Section 14: Transport Information

This material is not regulated by either IATA or DOT.

Section 15: Regulatory Information

U.S. Federal Regulations

OSHA Hazards

Irritant

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act (TSCA)

U.S. State Regulations

Reproductive Toxicity to both males and females

California Proposition 65

International Regulations

Some components of this product are on the Canadian DSL or NDSL lists.

DSL Status

European Union (EU)

Classification, labeling, and packaging of substances

Regulation (EC) No 1272/2008

Devices, and mixtures

Directive 98/79/EC In Vitro Diagnostic Medical

Section 16: Other

This product is intended for use as supplied.

To the best of our knowledge, the information contained herein is accurate. However, Streck assumes no liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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