HOLOGIC®

Safety Data Sheet

ThinPrep Cerv PreservCyt Solution

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product Name ThinPrep Cerv PreservCyt Solution

Specific use(s) A methanol based, buffered preservative solution used to support cells during transport and slide preparation

Recommended Use In vitro diagnostic

Manufacturer
Hologic Inc.
250 Campus Drive
Marlborough, MA 01752
United States
1-508-263-2900

Supplier
Hologic Medical Technologies (Beijing) Co., Ltd
Room 2208, 22 Floor
38 Xiaoyun Road, Chaoyang District
Beijing, China 100027
+4006400116

24 Hour Emergency Phone Number Chemtrec, U.S. and Canada 1-800-424-9300; Chemtrec International +1-703-527-3887

For further information, please contact: sds@hologic.com

SECTION 2: Hazards identification

GHS - Classification

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
STOT - single exposure	Category 1
Flammable liquids	Category 3

Label Elements

Signal word

Danger

Hazard Statements
H301 - Toxic if swallowed
H311 - Toxic in contact with skin
H331 - Toxic if inhaled
H370 - Causes damage to organs
H226 - Flammable liquid and vapor

Precautionary Statements
P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P102 - Keep out of reach of children
P270 - Do not eat, drink or smoke when using this product
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P309 + P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P264 - Wash face, hands and any exposed skin thoroughly after handling
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazards not otherwise classified (HNOC)
Not applicable

SECTION 3: Composition/information on ingredients

Single Substance or Mixture Mixture

Component name	CAS No	%	ENCS
Methanol	67-56-1	35-55	Present

SECTION 4: First aid measures

General advice Immediate medical attention is required In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.

Note to physicians Treat symptomatically.

Self-protection of the first aider Remove all sources of ignition

SECTION 5: Firefighting measures

Flammability Flammable liquid and vapor.

Suitable Extinguishing Media Dry chemical, Foam, Carbon dioxide (CO2).

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) Vapors may form explosive mixtures with air Flammable

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

Personal precautions Remove all sources of ignition, Evacuate personnel to safe areas, Ensure adequate ventilation, especially in confined areas, Use personal protective equipment as required.

Environmental precautions Prevent further leakage or spillage if safe to do so Prevent product from entering drains Do not flush into surface water or sanitary sewer system

Methods for containment Prevent further leakage or spillage if safe to do so, Cover powder spill with plastic sheet or tarp to minimize spreading, Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

SECTION 7: Handling and storage

Precautions for safe handling Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep container tightly closed. Ensure adequate ventilation, especially in confined areas.

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Storage Store in accordance with local regulations. Use appropriate containment to avoid environmental contamination.

SECTION 8: Exposure Controls/Personal Protection.

Exposure Limits

.

Component name	ACGIH TLV	OSHA PEL	NIOSH IDLH	European Union
Methanol	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m³ (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm STEL: 325 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ Skin

Component name	China	Japan	Korea	Australia	Taiwan	Hong Kong
Methanol	TWA: 25 mg/m³ STEL: 50 mg/m³ Skin	TWA: 200 ppm TWA: 260 mg/m³ Skin ISHL/ACL: 200 ppm	Skin STEL: 250 ppm TWA: 200 ppm	200 ppm 262 mg/m³ 250 ppm STEL 328 mg/m³ STEL	TWA: 200 ppm TWA: 262 mg/m³	TWA: 200 ppm TWA: 262 mg/m³ STEL: 250 ppm STEL: 328 mg/m³

Engineering Controls Provide adequate ventilation. Showers. Eyewash stations.

Personal protective equipment (PPE)

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective gloves and protective clothing.
Hand Protection	Wear protective nitrile rubber gloves.
Respiratory protection	Not applicable.

Other Information

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State @20°C	Liquid
Appearance	Colorless, clear, Liquid
Odor	Alcohol
Color	Colorless
Odor threshold	No information available

Property	**Values**
pH	5.5
Melting point/freezing point	-48.3 °C / -55 °F
Boiling point / boiling range	71 °C / 159 °F
Flash point	26 °C / 78 °F
Method	CC (closed cup)
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper flammability limits	36%
Lower flammability limit	13.6%
Vapor pressure	No information available
Vapor density	1.17
Relative density	No information available
Water solubility	Miscible in water
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	460 °C / 860 °F
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Reactivity	None under normal use conditions
Materials to avoid	Strong oxidizing agents. Acids. Metals.
Incompatible materials	Strong oxidizing agents. Acids. Metals.
Conditions to avoid	Heat, flames and sparks.
Hazardous Decomposition Products	None under normal use conditions.

Hazardous polymerization None under normal use conditions.

Possibility of Hazardous Reactions None under normal use conditions.

SECTION 11: Toxicological information

Toxicological information

Information on likely routes of exposure

Product Information	May be harmful by inhalation, ingestion, or skin absorption.
Inhalation	Harmful by inhalation
Eye contact	May cause irritation
Skin Contact	Harmful in contact with skin
Ingestion	Harmful if swallowed

Numerical measures of toxicity - Product Information

50% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	94.00 mg/kg
ATEmix (dermal)	283.00 mg/kg
ATEmix (inhalation-vapor)	2.83 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Central nervous system, Eyes, Gastrointestinal tract (GI), Respiratory system, Skin.
Aspiration hazard	No information available.

SECTION 12: Ecological information

Ecotoxicity

20 - 50% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Component name	Partition coefficient
Methanol	-0.77

Other adverse effects No information available.

SECTION 13: Disposal Considerations.

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

IMDG

UN/ID no	UN1992
Proper Shipping Name	FLAMMABLE LIQUID, TOXIC, N.O.S.
Hazard Class	3
Subsidiary hazard class	6.1
Packing group	III
EmS No.	F-E, S-D
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (Methanol), 3 (6.1), III, (26°C C.C.)

IATA

UN/ID no	UN1992
Proper Shipping Name	Flammable liquid, toxic, n.o.s.
Hazard Class	3
Subsidiary hazard class	6.1
Packing group	III
ERG Code	3P
Description	UN1992, Flammable liquid, toxic, n.o.s. (Methanol), 3 (6.1), III

SECTION 15: Regulatory information

International Inventories

All of the components in the product are on the following Inventory lists .

Component name	TSCA	EINECS/ELINCS	DSL/NDSL	PICCS
Methanol 67-56-1	Present	X	X	X
EDTA Disodium Salt 6381-92-6	-	-	X	X
Cholic Acid 81-25-4	Present	X	X	-
Glacial Acetic Acid 758-12-3	-	X	-	-

Component name	ENCS	IECSC	AICS	KECL
Methanol 67-56-1	Present	X	X	Present
EDTA Disodium Salt 6381-92-6	-	X	X	-
Cholic Acid 81-25-4	Present	X	X	-

Legend

X - Present
- Not Listed
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

SECTION 16: Other information

Prepared By Hologic Inc

Revision Date 21-Oct-2021

Version 2

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet