

Safety Data Sheet

ThinPrep® PreservCyt Solution

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

Product identifier

Product Name ThinPrep® PreservCyt Solution

Recommended use of the chemical and restrictions on use

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

Recommended use In vitro diagnostic

Details of the supplier of the safety data sheet

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

Supplier Address Hologic BV
Building Caprese, 8th Floor
Da Vincilaan 5
1930 Zaventem, Belgium
+32 2 711 4680

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300; Chemtrec International + 1-703-741-5970

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Acute toxicity - Inhalation (Vapours)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Specific target organ toxicity — single exposure	Category 1
Flammable liquids	Category 3

2.2. 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 vapour

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P260 - Do not breathe dust/fume/gas/mist/vapours/spray
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor
 P301 + P310 - IF SWALLOWED: Immediately call a 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
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
 P370 + P378 - In case of fire: Use CO₂, dry chemical, or foam to extinguish
 P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

Mixtures 3.2

Mixtures

Chemical name	CAS No	Weight-%	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Methanol	67-56-1	35-55	Present	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	01-2119433307-44-0 135

SECTION 4: First aid measures**4.1. Description of first aid measures**

General advice	Immediate medical attention is required. In case of accident or being unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).
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.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
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 doctor immediately.
Ingestion	Do NOT induce vomiting. Call a doctor or poison control centre immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.
Self-protection of the first aider	Remove all sources of ignition.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area and fight fire from a safe distance. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

6.2. Environmental precautions

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.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimise spreading. Dyke 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 labelled containers. Soak up with inert absorbent material.

6.4. Reference to other sections

Reference to other sections SECTION 8: Exposure controls/personal protection, SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

General Hygiene Considerations Regular cleaning of equipment, work area and clothing is recommended. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors

and static electricity).

7.3. Specific end use(s)**Specific use(s)** In vitro diagnostic**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Chemical name	European Union	United Kingdom	France	Spain	Germany DFG
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ Skin	STEL: 250 ppm STEL: 333 mg/m ³ TWA: 200 ppm TWA: 266 mg/m ³ Skin	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 1000 ppm STEL: 1300 mg/m ³	S* TWA: 200 ppm TWA: 266 mg/m ³	TWA: 100 ppm TWA: 130 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 260 mg/m ³ Skin

Chemical name	Italy MDLPS	Portugal	Netherlands	Finland	Denmark
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ Skin	STEL: 250 ppm TWA: 200 ppm TWA: 260 mg/m ³	Skin TWA: 100 ppm TWA: 133 mg/m ³	TWA: 200 ppm TWA: 270 mg/m ³ STEL: 250 ppm STEL: 330 mg/m ³ Skin	TWA: 200 ppm TWA: 260 mg/m ³ Skin

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Methanol 67-56-1	Skin STEL 800 ppm STEL 1040 mg/m ³ TWA: 200 ppm TWA: 260 mg/m ³	Skin STEL: 400 ppm STEL: 520 mg/m ³ TWA: 200 ppm TWA: 260 mg/m ³	STEL: 300 mg/m ³ TWA: 100 mg/m ³	TWA: 100 ppm TWA: 130 mg/m ³ Skin STEL: 150 ppm STEL: 162.5 mg/m ³	TWA: 200 ppm TWA: 260 mg/m ³ STEL: 600 ppm STEL: 780 mg/m ³ Skin

Chemical name	European Union	United Kingdom	France	Spain	Germany TRGS
Methanol 67-56-1			- urine (Methanol) - end of shift	15 mg/L (urine - Methanol end of shift)	15 mg/L (urine - Methanol end of shift) 15 mg/L (urine - Methanol for long-term exposures: at the end of the shift after several shifts)

Component	Austria	Switzerland	Poland	Norway	Ireland
Methanol 67-56-1 (35-55)		30 mg/L (urine - Methanol end of shift, and after several shifts (for long-term exposures)) 936 µmol/L (urine - Methanol end of shift, and after several shifts (for long-term exposures))			15 mg/L (urine - Methanol end of shift)

Derived No Effect Level (DNEL) No information available**Predicted No Effect Concentration (PNEC)** No information available.**8.2. Exposure controls****Engineering Controls** Showers. Eyewash stations. Provide adequate ventilation.**Personal protective equipment**

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Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand Protection	Wear protective nitrile rubber gloves.
Skin and body protection	Wear protective gloves and protective clothing.
Respiratory protection	None under normal use conditions.

Environmental exposure controls Use appropriate containment to avoid environmental contamination.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid	Odour	Alcohol
Appearance	clear, colourless, Liquid	Odour threshold	No information available
Colour	colourless		
Property	Values	Remarks • Method	
pH	5.5		
Melting point / freezing point	-48.3 °C / -55 °F		
Initial boiling point and boiling range	71 °C / 159 °F		
Flash point	26 °C / 78 °F	CC (closed cup)	
Evaporation rate		No information available	
Flammability		No information available	
Flammability Limit in Air			
Upper flammability or explosive limits	36%		
Lower flammability or explosive limits	13.6%		
Vapour pressure		No information available	
Relative vapour density	1.17		
Specific gravity		No information available	
Water solubility		None known	
Solubility(ies)		No information available	
Partition coefficient		No information available	
Autoignition temperature	460 °C / 860 °F		
Hyphen		No information available	
Kinematic viscosity		No information available	
Dynamic viscosity		No information available	
Percent Volatile	> 99%		

9.2. Other information

Molecular weight	No information available
VOC content	53
Liquid Density	No information available
Bulk density	No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal use conditions.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents. Acids. Metals.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity May be harmful by inhalation, ingestion, or skin absorption.
Irritation None under normal use conditions
Inhalation Harmful by inhalation
Eye contact May cause irritation
Skin Contact Harmful in contact with skin
Ingestion Harmful if swallowed

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

ATEmix (oral)	94.00
ATEmix (dermal)	283.00
ATEmix (inhalation-dust/mist)	0.47
ATEmix (inhalation-vapour)	2.83

Skin corrosion/irritation	Not applicable
Serious eye damage/eye irritation	Not applicable
Germ cell mutagenicity	Not applicable
Carcinogenicity	Not applicable
Reproductive toxicity	Not applicable
Target organ effects	Central nervous system, Eyes, Gastrointestinal tract (GI), Respiratory system, Skin.
Aspiration hazard	Not applicable

SECTION 12: Ecological information**12.1. Toxicity**

Contains 0 % of components with unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methanol		LC50: =28200mg/L (96h, Pimephales promelas) LC50: >100mg/L (96h, Pimephales promelas) LC50: 19500 - 20700mg/L (96h, Oncorhynchus mykiss) LC50: 18 - 20mL/L (96h, Oncorhynchus mykiss) LC50: 13500 - 17600mg/L (96h, Lepomis macrochirus)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical name	Partition coefficient
Methanol	-0.77

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Chemical name	PBT and vPvB assessment
Methanol	The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary

12.6. Other adverse effects**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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.
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**IMDG**

14.1 UN number or ID number	UN1992
14.2 UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S
14.3 Transport hazard class(es)	3
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S (Methanol), 3 (6.1), III, (26°C C.C.)
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
EmS-No	F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

RID

14.1 UN number or ID number	UN1992
14.2 UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S
14.3 Transport hazard class(es)	3
Labels	3 + 6.1
14.4 Packing group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S (Methanol), 3 (6.1), III
14.5 Environmental hazards	Not applicable
Classification code	FT1
14.6 Special Provisions	None

ADR

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14.1 UN number or ID number	UN1992
14.2 UN proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S
14.3 Transport hazard class(es)	3
Labels	3 + 6.1
14.4 Packing group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S (Methanol), 3 (6.1), III
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None
Classification code	FT1
Tunnel restriction code	(D/E)

ICAO (air)

14.1 UN/ID no	UN1992
14.2 Proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S
14.3 Transport hazard class(es)	3
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S (Methanol), 3 (6.1), III
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None

IATA

14.1 UN number or ID number	UN1992
14.2 UN proper shipping name	Flammable liquid, toxic, n.o.s.
14.3 Transport hazard class(es)	3
Subsidiary hazard class	6.1
14.4 Packing group	III
Description	UN1992, Flammable liquid, toxic, n.o.s (Methanol), 3 (6.1), III
14.5 Environmental hazards	Not applicable
14.6 Special Provisions	None
ERG Code	3P

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

SVHC

Chemical name	French RG number	Title
Methanol 67-56-1	RG 84	

Water hazard class (WGK) Not determined

International Inventories

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

Chemical name	TSCA	EINECS/ELINCS	DSL/NDL	PICCS
Methanol 67-56-1	Present	X	X	X

Chemical name	ENCS	IECSC	AIIC	KECL
Methanol 67-56-1	Present	X	X	Present

Legend

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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

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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

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Prepared By UL

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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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