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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
Product identifier

Product Name CellRescue Preservative Tubes
9601 / 9602

Recommended use of the chemical and restrictions on use

Recommended Use Assay Reagent
Uses advised against Not available

Details of the supplier of the safety data sheet

Supplier Address Menarini Silicon Biosystems, Inc.
3401 Masons Mill Rd #100
Huntingdon Valley, PA 19006 USA

Email address: US-info@siliconbiosystems.com

Company Phone Number 1 (800) 381-4929

Emergency telephone number

24 Hour Emergency Phone Number Within USA and Canada: (303) 389-1805
Outside USA and Canada: +1 (303) 389-1805

2. HAZARDS IDENTIFICATION
Classification
Health Hazards

Classified.

Skin sensitization	Category 1
Germ Cell Mutagenicity	Category 2

Physical Hazards

Not classified.

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200, Revision 3).

Label elements
Emergency Overview
Warning
Hazard Statements

 May cause an allergic skin reaction
 Suspected of causing genetic defects.

Appearance Clear

Physical State Liquid.

Odor Not available

Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/clothing/eye protection/face protection.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statements - Response

If exposed or concerned: Get medical attention.
Specific treatment.
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal facility.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms Not available

Chemical Name	CAS No.	Weight-%
Polyethylene glycol	25322-68-3	0.1833
Trade Secret	Proprietary	< 5

The composition percentage of this product is proprietary and hence has been represented as range.

4. FIRST AID MEASURES**First aid measures**

General Advice	Take a copy of the Safety Data Sheet when going for medical treatment.
Eye Contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if worn. Get medical attention if symptoms occur.
Skin Contact	In case of contact. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.
Inhalation	In case of inhalation. Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Seek medical attention immediately.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention/advice. Never give anything by mouth to an unconscious person.
Self-Protection of the First Aider	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial

respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms and effects, both acute and delayed

Symptoms Not available.

Indication of any immediate medical attention and special treatment needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact Not available.

Sensitivity to Static Discharge Not available.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions

Environmental precautions Avoid release to the environment. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for Containment Large Spill: Soak up with inert absorbent material. Keep in properly labeled containers.
Small Spill.

Methods for Cleaning Up Keep in suitable, closed containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of the product. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store contents under 4-30 °C. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep only in the original container. Keep locked up and out of reach of children.

Incompatible Materials Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, contains the following hazardous material with occupational exposure limits established by the region-specific regulatory bodies.

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Trade Secret	Proprietary	TWA	0.1 mg/m ³ inhalable fraction and vapor	ACGIH TLV
			Not available	OSHA PEL
			Not available	NIOSH IDLH

Appropriate engineering controls

Engineering Controls Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors

Individual protection measures, such as personal protective equipment

Eye/Face Protection None required for consumer use. Safety glasses with side shields are recommended for medical or industrial exposures.

Skin and Body Protection None required for consumer use. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

Respiratory Protection None required for consumer use. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling and before eating or drinking. Wash clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	Odor	Not available
Appearance	Clear	Odor Threshold	Not available
Color	Not available		

Property	Values	Remarks • Method
pH	7.0	
Melting point/freezing point	Not available	
Boiling point/boiling range	Not available	
Flash point	Not available	
Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Flammability Limit in Air		
Upper flammability limit:	Not available	
Lower flammability limit:	Not available	
Vapor pressure	Not available	
Vapor density	Not available	
Specific Gravity	Not available	
Water solubility	Not available	
Solubility in other solvents	Not available	
Partition coefficient	Not available	
Autoignition temperature	Not available	
Decomposition temperature	Not available	
Kinematic viscosity	Not available	
Dynamic viscosity	Not available	
Explosive Properties	Not available	
Oxidizing Properties	Not available	

Other information

Softening point	Not available
Molecular weight	Not available
VOC Content (%)	Not available
Density	1.01 gm/ml.
Bulk density	Not available

10. STABILITY AND REACTIVITY

Reactivity
Not available.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal use conditions.

Conditions to Avoid
Extremes of temperature and direct sunlight.

Incompatible Materials

Not available.

Hazardous Decomposition Products

Not available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	The toxicological properties of this material have not been fully investigated
Inhalation	May cause sensitization by inhalation
Eye Contact	Contact with eyes may cause irritation
Skin Contact	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
Ingestion	Ingestion is not a likely route of exposure Accidental ingestion may be harmful to the central nervous system
Acute Toxicity	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	Intravenous LD50
Polyethylene glycol	= 22 g/kg (Rat)	> 20 g/kg (Rabbit)	-	-
Trade Secret	= 200 mg/kg (Rat)	= 12700 mg/kg (Rabbit)	= 2.44 mg/L (Rat) 4 h	-

Information on toxicological effects

Symptoms Moderately irritating to the skin

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

Serious Eye Damage/Eye Irritation	May cause eye irritation. This product contains a trade secret chemical irritating to respiratory tract and gastrointestinal tract.
Sensitization	Skin sensitizer in guinea pig
Germ Cell Mutagenicity	Animal experiments showed mutagenic and teratogenic effects
Carcinogenicity	This product contains a trade secret chemical that is not classifiable as a human carcinogen (A4).
Reproductive Toxicity	Not available
STOT - Single Exposure	No known effects under normal use conditions
STOT - Repeated Exposure	No known effects under normal use conditions.
Aspiration Hazard	Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Polyethylene glycol 25322-68-3	-	5000: 24 h Carassius auratus mg/L LC50	-	-
Trade Secret	348.59: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 500: 72 h Desmodesmus subspicatus mg/L EC50 500: 96 h Desmodesmus subspicatus mg/L EC50	215: 96 h Pimephales promelas mg/L LC50 static		404: 48 h Daphnia magna mg/L EC50

Persistence and degradability

Readily biodegradable.

Bioaccumulation

MATERIAL DOES NOT BIOACCUMULATE.

Mobility

This product contains a trade secret chemical, which is expected to have very high mobility in soil.

Chemical Name	Partition coefficient
Trade Secret	-0.85

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

- Disposal of Wastes** 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. Do not reuse container.
- US EPA Waste Number** Not available
- California Hazardous Waste Codes** Not available.

This product does not contain substances that are listed with the State of California as hazardous waste.

14. TRANSPORT INFORMATION

- DOT** Not regulated.
- IATA** Not regulated.
- IMDG** Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product contains the following substance regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trade Secret	X		

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Issue Date 06-Nov-2020

Revision Date -

Revision Note New SDS.

Disclaimer

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 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