

## Box 1002450 Component SDS

**REF 1002450**  
**Onyx<sup>®</sup> Curing Kit**  
**Curing DNA - E. coli**

<b>Consumable ID Number</b>	<b>Consumable Ref Number and Relevant Well</b>
4	1002128 Well 5
11	1002172 Well 1

\*Note: Consumable wells are numbered such that Well 1 is the well closest to the Chamfer

# 1002128 Well 5

## Safety Data Sheet

According to OSHA standard 1910.1200 HCS 2012

Date of Issue: 03/11/2022

Version: 2.0

## SECTION 1: IDENTIFICATION

### Product identifier

Product Name : 1002128 Well 5

### Recommended use of the chemical and restrictions on use

#### Recommended Use

Recommended Use : For industrial use

### Details of the supplier of the safety data sheet

#### Supplier Address

Inscripta, Inc.  
5764 Pacific Center Blvd  
San Diego, CA 92121  
619-708-8130

[www.inscripta.com](http://www.inscripta.com)

[support@inscripta.com](mailto:support@inscripta.com)

### Emergency telephone number

Emergency number : INFOTRAC 1-352-323-3500 International; 1-800-535-5053 North America

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

Reproductive Toxicity : Category 1B

### Hazard pictograms



### Signal word

: Danger

### Hazard statements

: May damage fertility or the unborn child

### Precautionary statements -

: Obtain special instructions before use

### Prevention

Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required

### Precautionary statements – Response

: If exposed or concerned: Get medical advice/attention

**Precautionary statements – Storage** : Store in locked up

### Precautionary statements – Disposal

: Dispose of contents/container to an approved waste disposal plant

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name	Product identifier	Weight %
Kanamycin	(CAS-No.) 25389-94-0	5-10

\*\*If chemical name or CAS No is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

#### Eye Contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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- Skin Contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway.
- Ingestion** : Do NOT induce vomiting. Get medical attention if adverse health effects develop or persist.

### Most important symptoms and effects, both acute and delayed

- Symptoms/effects** : May damage fertility or the unborn child.

### Indication of any immediate medical attention and special treatment needed

- Notes to Physician** : All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to possible overexposure to materials other than this product.

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

- Suitable extinguishing media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- Unsuitable extinguishing media** : None known.

### Special hazards arising from the substance or mixture

- Fire / explosion hazard** : None known.

- Hazardous combustion products** : None known.

### Advice for firefighters

- Protective equipment and precautions** : 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, protective equipment and emergency procedures

- General measures** : Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk-through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

### Environmental precautions

- Environmental precautions** : Avoid run off to waterways and sewers. See Section 12 for additional Ecological information.

### Methods and material for containment and cleaning up

- Methods for containment** : Prevent further leakage or spillage if safe to do so.

- Methods for clean up** : Absorb with liquid-binding material

## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

- Precautions for safe handling** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use pr

### Conditions for safe storage, including any incompatibilities

- Storage conditions** : Keep labeled container tightly closed and upright. Keep frozen.

- Incompatible materials** : Strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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## Control parameters

Exposure Guidelines : This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

## Exposure controls

Engineering controls : Showers, Eyewash stations, Ventilation systems

## Individual protection measures

Eye and Face Protection : Wear eye/face protection.

Skin and body protection : Wear protective gloves and protective clothing.

Respiratory protection : None required under normal use.

General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practices

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Not determined  
Color : Not determined  
Odor : Not determined  
Odor threshold : Not determined  
pH : Not determined  
Evaporation rate : Not determined  
Melting point / Freezing point : Not determined  
Boiling point / Boiling range : Not determined  
Flash point : Not determined  
Auto-ignition temperature : Not determined  
Decomposition temperature : Not determined  
Flammability (solid, gas) : Not determined  
Vapour pressure : Not determined  
Vapour density : Not determined  
Relative density : Not determined  
Solubility : Not determined  
Partition coefficient: n-octanol/water : Not determined  
Viscosity : Not determined  
Explosive properties : Not determined  
Oxidizing properties : Not determined  
Explosive limits : Not determined

### Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

### Conditions to avoid

Keep out of reach of children.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

None known based on information supplied.

## SECTION 11: TOXICOLOGICAL INFORMATION

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## Information on likely routes of exposure

- Eye Contact : Avoid contact with eyes
- Skin Contact : Avoid contact with skin
- Inhalation : Do not inhale
- Ingestion : Do not ingest

## Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Kanamycin 25389-94-0	➤ 4 g/kg (Rat)	-	-

## Symptoms related to the physical, chemical and toxicological characteristics

Symptoms : Please see Section 4 of this SDS for symptoms.

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

Carcinogenicity : This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Reproductive Toxicity : May damage fertility or the unborn child

## Numerical measures of toxicity

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

Oral LD50 : 80,080.0000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Persistence and degradability

: Not determined.

### Bioaccumulative potential

: There is no data for this product.

### Mobility in soil

: Not determined.

### Other adverse effects

: Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Disposal of Wastes / Contaminated packaging : Dispose of contents/container in accordance with local, regional, national, and international regulations.

## SECTION 14: TRANSPORT INFORMATION

**Note** : Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT : Not Regulated

IATA : Not Regulated

IMDG : Not Regulated

## SECTION 15: REGULATORY INFORMATION

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## International Inventories

Chemical Name	TSC A	TSCA Inventory Status	DSL/NDSL L	EINECS/E LINCS	ENCS	IECS C	KECL	PICC S	AICS
Kanamycin				X		X	X	X	X

### 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*

*IECS - 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

### 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).

### SARA 313

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

### 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)

## US State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

## SECTION 16: OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	Not determined

<b>Issue Date</b>	: 09/30/2021
<b>Revision Date</b>	: 09/30/2021
<b>Revision Note</b>	: New format

### Disclaimer

*This 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 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**

**SECTION 1: IDENTIFICATION****1.1. Product Identifier**

Product Form: Mixture

Product Name: 1002172

**1.2. Intended Use of the Product**

Use of the Substance/Mixture: No use is specified.

**1.3. Name, Address, and Telephone of the Responsible Party****Company**

Inscripta, Inc.

5764 Pacific Center Blvd

San Diego, CA 92121

619-708-8130

[www.inscripta.com](http://www.inscripta.com)**1.4. Emergency Telephone Number**

Emergency Number : 1-800-535-5053

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the Substance or Mixture**

Not classified

**2.2. Label Elements****GHS-US Labeling**

No labeling applicable according to 29 CFR 1910.1200.

**2.3. Other Hazards**

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

**2.4. Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Synonyms	Product Identifier	%	GHS US classification
1,2,3-Propanetriol	Glycerin / Glycerine / Glycerol / 1,2,3-Trihydroxypropane / GLYCERIN / Propane-1,2,3-triol / glycerin	(CAS-No.) 56-81-5	7 - 13	Not classified

Full text of H-phrases: see section 16

**SECTION 4: FIRST AID MEASURES****4.1. Description of First-aid Measures****First-aid Measures General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.**4.2. Most Important Symptoms and Effects Both Acute and Delayed****Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use.**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.**Chronic Symptoms:** None known.**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Irritating fumes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong oxidizers.

### 7.3. Specific End Use(s)

No use is specified.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

1,2,3-Propanetriol (56-81-5)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (mist, total particulate) 5 mg/m <sup>3</sup> (mist, respirable fraction)

### 8.2. Exposure Controls

**Appropriate Engineering Controls** : Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.



**Personal Protective Equipment** : Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing** : Chemically resistant materials and fabrics.  
**Hand Protection** : Wear protective gloves.  
**Eye and Face Protection** : Chemical safety goggles.  
**Skin and Body Protection** : Wear suitable protective clothing.  
**Respiratory Protection** : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.  
**Other Information** : When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

**Physical State** : Liquid  
**Appearance** : No data available  
**Odor** : No data available  
**Odor Threshold** : No data available  
**pH** : No data available  
**Evaporation Rate** : No data available  
**Melting Point** : No data available  
**Freezing Point** : No data available  
**Boiling Point** : No data available  
**Flash Point** : No data available  
**Auto-ignition Temperature** : No data available  
**Decomposition Temperature** : No data available  
**Flammability (solid, gas)** : Not applicable  
**Vapor Pressure** : No data available  
**Relative Vapor Density at 20°C** : No data available  
**Relative Density** : No data available  
**Solubility** : No data available  
**Partition Coefficient: N-Octanol/Water** : No data available  
**Viscosity** : No data available

### 9.2. Other Information No additional information available

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. **Reactivity:** Hazardous reactions will not occur under normal conditions.  
 10.2. **Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).  
 10.3. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
 10.4. **Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.  
 10.5. **Incompatible Materials:** Strong oxidizers.  
 10.6. **Hazardous Decomposition Products:** Not expected to decompose under ambient conditions. Thermal decomposition may release acrolein.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified  
**Acute Toxicity (Dermal):** Not classified  
**Acute Toxicity (Inhalation):** Not classified

1,2,3-Propanetriol (56-81-5)	
LD50 Oral Rat	12600 mg/kg
LD50 Dermal Rabbit	> 10 g/kg
LC50 Inhalation Rat	> 570 mg/m <sup>3</sup> (Exposure time: 1 h)

**Skin Corrosion/Irritation:** Not classified  
**Serious Eye Damage/Irritation:** Not classified  
**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified  
**Carcinogenicity:** Not classified  
**Reproductive Toxicity:** Not classified  
**Specific Target Organ Toxicity (Single Exposure):** Not classified  
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified  
**Aspiration Hazard:** Not classified  
**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.  
**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.  
**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.  
**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.  
**Chronic Symptoms:** None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - General : Not classified.

1,2,3-Propanetriol (56-81-5)	
LC50 Fish 1	54000 (51000 – 57000) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

### 12.2. Persistence and Degradability

1002172	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

1002172	
Bioaccumulative Potential	Not established.
1,2,3-Propanetriol (56-81-5)	
BCF Fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.76

12.4. Mobility in Soil No additional information available

### 12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

1,2,3-Propanetriol (56-81-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### 15.2. US State Regulations

1,2,3-Propanetriol (56-81-5)	
U.S. - Massachusetts - Right To Know List	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 02/08/2021

1002172

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations



**Other Information**

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS US (GHS HazCom)