

## 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 Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 11/03/2022



Version: 3.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Form : Mixture  
Product Name : 1002128 Well 5  
SDS # : INSC-001-EU

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : No use is specified.

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the Supplier of the Safety Data Sheet

#### Supplier

Inscripta, Inc.  
5764 Pacific Center Blvd  
San Diego, CA 92121  
[www.inscripta.com](http://www.inscripta.com)

For further contact information, please contact:

Inscripta: 720-759-4088  
[info@inscripta.com](mailto:info@inscripta.com)

### 1.4. Emergency telephone number

Emergency number (24 hr) : INFOTRAC – 1-352-323-3500 (International); 1-800-535-5053 (North America)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

Regulation (EC) No. 1272/2008

Reproductivity toxicity

Category 1B – (H360)

### 2.2. Label elements

#### Product Identifier

Hazard pictograms :



Signal word

: Danger

Hazard statements

: H360 – May damage fertility or the unborn child

Precautionary statements

: P201 – Obtain special instructions before use.  
P202 – Do not handle until all safety precautions have been read and understood  
P281 – Use personal protective equipment as required  
P308 + P313 – IF exposed or concerned: Get medical advice/attention  
P405 – Store locked up  
P501 – Dispose of contents/container to an approved waste disposal plant

### 2.3. Other hazards

No information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Chemical Name	EC No	CAS No	Weight %	Classification According to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Kanamycin	Present	25389-94-0	5-10	Reproductive Toxicity 1B (H360) (Self-classification)	Not Determined

**Full text of H- and EUH-statements: see Section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4: FIRST AID MEASURES****4.1. 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.
- 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 or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If 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 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.

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

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

**4.3. 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****5.1. Extinguishing Media**

- Suitable Extinguishing Media** : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable Extinguishing Media** : None known

**5.2. Special hazards arising from the substance or mixture**

- Fire hazard** : No specific fire or explosion hazard.
- Hazardous combustion products** : None known

**5.3. Advice for firefighters**

- Precautionary measures fire** : Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

- Personal Precautions** : 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.

**6.1.1. For emergency responders**

- Protective equipment** : Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and cleaning up**

- For containment** : Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up** : Absorb with liquid-binding material.

**6.4. Reference to other sections**

See Section 13 : for DISPOSAL CONSIDERATIONS.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

- Advice on Safe Handling** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
- General Hygiene Measures** : Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

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

**7.3. Specific End Use(s)**

- Risk Management Methods (RMM)** : The information required is contained in this Safety Data Sheet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

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

**8.2. Exposure controls**

- Appropriate engineering controls** : Showers. Eyewash stations. Ventilation systems.
- Personal protective equipment** : Gloves. Protective clothing. Eye protection.



- Eye and Face Protection** : Wear eye/face protection
- Hand Protection** : Wear protective gloves.
- Skin and body Protection** : Wear suitable protective clothing.
- Respiratory protection** : Not required under normal use conditions

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odour</b>	Not determined
<b>Appearance</b>	Not determined	<b>Odour Threshold</b>	Not determined
<b>Colour</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not determined	
<b>Melting point / freezing point</b>	Not determined	
<b>Boiling point / boiling range</b>	Not determined	
<b>Flash point</b>	Not determined	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability or explosive limits</b>	Not determined	
<b>Lower flammability or explosive limits</b>	Not determined	
<b>Vapour Pressure</b>	Not determined	
<b>Vapour Density</b>	Not determined	
<b>Relative Density</b>	Not determined	
<b>Water Solubility</b>	Not determined	
<b>Solubility(ies)</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	
<b>Decomposition temperature</b>	Not determined	
<b>Kinematic viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	

Oxidising Properties

Not determined

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not reactive under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Keep out of reach of children.

### 10.5. Incompatible materials

Strong oxidising agents.

### 10.6. Hazardous decomposition products

None under normal use conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

#### Product Information

<b>Inhalation</b>	Do not inhale.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Ingestion</b>	Do not ingest.

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

ATEmix (oral) 80,080.0000 mg/kg

#### Unknown Acute Toxicity

5 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).

5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Kanamycin	> 4 g/kg ( Rat )		

<b>Skin corrosion/irritation</b>	Not classified.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitisation</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

The 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.

### 12.2. Persistence and degradability

: Not determined

### 12.3. Bioaccumulative potential

: There is no data for this product.

### 12.4. Mobility

: Not determined

### 12.5. Results of PBT and vPvB assessment

: Not determined

### 12.6. Other adverse effects

: Not determined

## 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** : Improper disposal or reuse of this container may be dangerous and illegal.

## SECTION 14: TRANSPORT INFORMATION

### IMDG

14.2 Proper Shipping Name Not regulated

### RID

14.2 Proper Shipping Name Not regulated

### ADR

14.2 Proper Shipping Name Not regulated

### IATA

14.2 Proper Shipping Name Not regulated

## SECTION 15: REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .

#### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Kanamycin	-	-	X	X	-	X	X	X

# 1002128 Well 5

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830



25389-94-0 ( 5-10 )							
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### Legend

**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

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

### Full text of H-Statements referred to under section 3

H360 - May damage fertility or the unborn child

### Legend

SVHC: Substances of Very High Concern for Authorisation:

### Legend

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Classification Procedure

Calculation method

**Issue Date:** 30-Sep-2021

**Revision Date:** 30-Sep-2021

**Revision Note:** New format.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2015/830**

### 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**

# 1002172

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 11/03/2022



Version: 2.0

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

#### 1.1. Product identifier

Product Form : Mixture  
Product Name : 1002172

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : No use is specified.

##### 1.2.2. Uses advised against

No additional information available

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

##### Company

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

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

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

#### 1.4. Emergency telephone number

Emergency number : 1-352-323-3500

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

#### 2.2. Label elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Other hazards not contributing to the classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
1,2,3-Propanetriol	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	7 - 13	Not classified

### 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/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : Prolonged exposure may cause irritation.

Symptoms/effects after skin contact : Prolonged exposure may cause skin irritation.

Symptoms/effects after eye contact : May cause slight irritation to eyes.



Symptoms/effects 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: Firefighting 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.  
 Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>). Irritating fumes.

#### 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.

### 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 responders

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 material 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

1,2,3-Propanetriol (56-81-5)		
Belgium	Limit value [mg/m <sup>3</sup> ]	10 mg/m <sup>3</sup> (mist)
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

1,2,3-Propanetriol (56-81-5)		
France	VME [mg/m <sup>3</sup> ]	10 mg/m <sup>3</sup> (aerosol)
Germany	Occupational exposure limit value (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (the risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Spain	VLA-ED (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)
Switzerland	KZGW (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (inhalable dust)
Switzerland	MAK (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (inhalable dust)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	30 mg/m <sup>3</sup> (calculated-mist)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Estonia	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	20 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (inhalable fraction)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	11 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (inhalable fraction)
Slovenia	OEL STEL (mg/m <sup>3</sup> )	400 mg/m <sup>3</sup> (inhalable fraction)
Portugal	OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (mist)

## 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
Colour	: No data available
Odour	: No data available
Odour 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
Vapour pressure	: No data available
Relative vapour 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
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 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 : Not classified (Based on available data, the classification criteria are not met)

<b>1,2,3-Propanetriol (56-81-5)</b>	
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 (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
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.

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

**12.2. Persistence and degradability**

<b>1002172</b>	
Persistence and degradability	Not established.

**12.3. Bioaccumulative potential**

<b>1002172</b>	
Bioaccumulative potential	Not established.
<b>1,2,3-Propanetriol (56-81-5)</b>	
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. Results of PBT and vPvB assessment**

1002172
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

**12.6. Other adverse effects**

Other information : Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product/Packaging disposal : 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. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

**14.6. Special precautions for user**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

<b>1,2,3-Propanetriol (56-81-5)</b>
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16: Other information**

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

Data sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS.

Other information : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

## Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists	NDS – Najwyższe Dopuszczalne Stezenie
ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways	NDSCh – Najwyższe Dopuszczalne Stezenie Chwilowe
ADR – European Agreement Concerning the International Carriage of Dangerous Goods by Road	NDSP – Najwyższe Dopuszczalne Stezenie Pulapowe
ATE – Acute Toxicity Estimate	NOAEL – No-Observed Adverse Effect Level
BCF – Bioconcentration Factor	NOEC – No-Observed Effect Concentration
BEI – Biological Exposure Indices (BEI)	NRD – Nevirsyftinas Ribinis Dydis
BOD – Biochemical Oxygen Demand	NTP – National Toxicology Program
CAS No. – Chemical Abstracts Service Number	OEL – Occupational Exposure Limits
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008	PBT – Persistent, Bioaccumulative and Toxic
COD – Chemical Oxygen Demand	PEL – Permissible Exposure Limit
EC – European Community	pH – Potential Hydrogen
EC50 – Median Effective Concentration	REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals
EEC – European Economic Community	RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
EINECS – European Inventory of Existing Commercial Chemical Substances	SADT – Self Accelerating Decomposition Temperature
EmS-No. (Fire) – IMDG Emergency Schedule Fire	SDS – Safety Data Sheet
EmS-No. (Spillage) – IMDG Emergency Schedule Spillage	STEL – Short Term Exposure Limit
EU – European Union	STOT – Specific Target Organ Toxicity
ErC50 – EC50 in Terms of Reduction Growth Rate	TA-Luft – Technische Anleitung zur Reinhaltung der Luft
GHS – Globally Harmonized System of Classification and Labeling of Chemicals	TEL TRK – Technical Guidance Concentrations
IARC – International Agency for Research on Cancer	ThOD – Theoretical Oxygen Demand
IATA – International Air Transport Association	TLM – Median Tolerance Limit
IBC Code – International Bulk Chemical Code	TLV – Threshold Limit Value
IMDG – International Maritime Dangerous Goods	TPRD – Trumpalaikio Poveikio Ribinis Dydis
IPRV – Ilgalaikio Poveikio Ribinis Dydis	TRGS 510 – Technische Regel für Gefahrstoffe 510 – Lagerung von Gefahrstoffen in ortsbeweglichen Behältern
IOELV – Indicative Occupational Exposure Limit Value	TRGS 552 – Technische Regeln für Gefahrstoffe – N-Nitrosamine
LC50 – Median Lethal Concentration	TRGS 900 – Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte
LD50 – Median Lethal Dose	TRGS 903 – Technische Regel für Gefahrstoffe 903 – Biologische Grenzwerte
LOAEL – Lowest Observed Adverse Effect Level	TSCA – Toxic Substances Control Act
LOEC – Lowest-Observed-Effect Concentration	TWA – Time Weighted Average
Log Koc – Soil Organic Carbon-water Partitioning Coefficient	VOC – Volatile Organic Compounds
Log Kow – Octanol/water Partition Coefficient	VLA-EC – Valor Límite Ambiental Exposición de Corta Duración
Log Pow – Ratio of the equilibrium concentration (C) of a dissolved substance in a two-phase system consisting of two largely immiscible solvents, in this case octanol and water	VLA-ED – Valor Límite Ambiental Exposición Diaria
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration	VLE – Valeur Limite D'exposition
MARPOL – International Convention for the Prevention of Pollution	VME – Valeur Limite De Moyenne Exposition
EU GHS SDS	vPvB – Very Persistent and Very Bioaccumulative
	WEL – Workplace Exposure Limit
	WGK – Wassergefährdungsklasse

*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.*