

# Safety Data Sheet

section

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

### 1.1 Product identifier

**Trade name/designation** : SmartPure Gel Kit, DNA Purification Kit.  
**Article No (user)** : SK-GEPU-100.

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

**Relevant identified uses** : For research or laboratory use only. Not to be administered to humans or used for medical diagnostics.

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

**Supplier** : **Name:** Kaneka Eurogentec S.A.  
**Street:** Rue Bois Saint-Jean, 5  
**Postal code/City:** 4102 Seraing  
**Country:** Belgium  
**Telephone:** 0032 (0)4 372 74 00  
**Telefax:** 0032 (0)4 372 75 00  
**E-mail:** SDS@eurogentec.com

### 1.4 Emergency Telephone Number

EN : Contact your local poison center. See section 16.7.

section

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Hazards identification:

H302	Acute Tox. 4 ORAL	Harmful if swallowed
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H314	Skin Corr. 1	Causes severe skin burns and eye damage
H332	Acute Tox. 4 INHALATION	Harmful if inhaled.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

### 2.2 Label elements

#### Labelling

**Hazard pictograms****Signal word**

Danger

**Hazard Statements**

H302	Harmful if swallowed
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects

**Contains**

Thiocyanic acid, compd. with guanidine (1:1)

**2.3 Other hazards**

Not available

**section 3 Composition/information on ingredients****3.2 Mixtures**

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

Substance	Concentration (%)	Specific concentration limits	Classification
<b>Thiocyanic acid, compd. with guanidine (1:1)</b>			
CAS N°	593-84-0	5.0% ≤ C ≤ 15.0%	H302 Harmful if swallowed
EC N°	209-812-1		H312 Harmful in contact with skin.
IDX N°	615-004-00-3		H332 Harmful if inhaled. H412 Harmful to aquatic life with long lasting effects

**3.3 Remark**

Not available

**section 4 First aid measures****4.1 Description of first aid measures****Following ingestion:**

IF SWALLOWED: Rinse mouth.

If swallowed: Call a POISON CENTER or physician if you feel unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Not available

## section 5 Firefighting measures

### 5.1 Extinguishing media

Not available

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

Not available

### 5.4 Additional information

Not available

## section 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Not available

### 6.2 Environmental precautions

Not available

### 6.3 Methods and material for containment and cleaning up

Not available

### 6.4 Reference to other sections

Not available

### 6.5 Additional information

Not available

## section 7 Handling and Storage

### 7.1 Precautions for safe handling

#### **PROTECTIVE MEASURES:**

Do not eat, drink or smoke when using this product.

Avoid breathing gas/fumes/vapour/spray.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep container in upright position in order to prevent leakage.

The Kit is stable for 18 months if stored in a dry environment at room temperature (15°C-25°C). The RNase solution must be stored at 2-8°C. After addition of the RNase solution, the SmartPure Resuspension buffer must be stored at 2-8°C.

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## section 8 Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits:**

Not available

**Biological limit values:**

Not available

**Exposure limits at intended use:**

Not available

**Remark:**

Not available

### 8.2 Exposure controls

**Appropriate engineering controls:**

**Individual protection measures, such as personal protective equipment:**



**Eye/face protection**

: **Suitable eye protection:**

Wear eye protection equipment.

**Respiratory protection**

: **Suitable respiratory protection apparatus:**

Wear respiratory protection.

**Environmental exposure controls:**

Not available

**Consumer exposure controls:**

Not available

### 8.3 Additional information

Not available

## section 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	: Liquid
<b>Colour</b>	: Colorless
<b>Odour</b>	: Odorless
<b>Odour threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Melting point/freezing point</b>	: Not available
<b>Initial boiling point and boiling range</b>	: Not available

<b>Flash point</b>	:	Not available
<b>Evaporation rate</b>	:	Not available
<b>Flammability</b>	:	Not available
<b>Upper/lower flammability or explosive limits</b>	:	Not available
<b>Vapour pressure</b>	:	Not available
<b>Vapour density</b>	:	Not available
<b>Relative density</b>	:	Not available
<b>Solubility(ies)</b>	:	Not available
<b>Partition coefficient n-octanol/water (log value)</b>	:	Not available
<b>Auto-ignition temperature</b>	:	Not available
<b>Decomposition temperature</b>	:	Not available
<b>Dynamic viscosity</b>	:	Not available
<b>Kinematic viscosity</b>	:	Not available
<b>Oxidising properties</b>	:	Not available
<b>Oxidising properties</b>	:	Not available
<b>Solubility in other Solvents</b>	:	Not available
<b>Log Kow</b>	:	Not available
<b>Particle characteristics</b>	:	Not available

## 9.2 Other safety information

# section 10 Stability and Reactivity

## 10.1 Reactivity

Not available

## 10.2 Chemical stability

Not available

## 10.3 Possibility of hazardous reactions

Not available

## 10.4 Conditions to avoid

Not available

## 10.5 Incompatible materials

Not available

## 10.6 Hazardous decomposition products

Not available

## 10.7 Additional information

Not available

section **11** Toxicological information**11.1 Acute oral toxicity**

The product is classified Acute Tox. 4\_ORAL according to the referenced regulation.

Harmful if swallowed.

ATE "SmartPure Gel Kit, DNA Purification Kit" = 3333.333333333335 mg/kg.

**Data for mixture:**

Not available

**Substances:**

Not available

**11.2 Acute dermal toxicity**

The product is classified Acute Tox. 4\_DERMAL according to the referenced regulation.

Harmful in contact with skin.

ATE "SmartPure Gel Kit, DNA Purification Kit" = 7333.333333333334 mg/kg.

**Data for mixture:**

Not available

**Substances:**

Not available

**11.3 Acute inhalation toxicity**

The product is classified Acute Tox. 4\_INHALATION according to the referenced regulation.

Harmful if inhaled.

ATE "SmartPure Gel Kit, DNA Purification Kit" = 73.33333333333334 mg/kg.

**Data for mixture:**

Not available

**Substances:**

Not available

**11.4 Skin corrosion/irritation**

The product is classified Skin Corr. 1 according to the referenced regulation.

Causes severe skin burns and eye damage.

**Data for mixture:**

Not available

**Substances:**

Not available

**11.5 Serious eye damage/irritation**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**11.6 Skin sensitisation**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.7 Specific target organ toxicity (repeated exposure)

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.8 Specific target organ toxicity (single exposure)

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.9 Carcinogenicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.10 Reproductive toxicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.11 Germ cell mutagenicity

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.12 Sensitisation to the respiratory tract

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

### 11.13 Additional information

Not available

### 11.14 Information on other hazards

Not available

### 12.1 Toxicity

Harmful to aquatic life with long lasting effects.

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.2 Persistence and degradability

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.3 Bioaccumulative potential

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.4 Mobility in soil

**Data for mixture:**

Not available

**Substances:**

Not available

### 12.5 Results of PBT and vPvB assessment

Not available

### 12.6 Endocrine disrupting properties

Not available

### 12.7 Other adverse effects

Not available

### 12.8 Additional ecotoxicological information

Not available

## section 13 Disposal considerations

### 13.1 Waste treatment methods

Not available

### 13.2 Additional information

Not available



**section 14** Transport information**14.1 UN number**

Not available

**14.2 UN proper shipping name**

Not available

**14.3 Transport hazard class(es)**

Not available

**14.4 Packing group**

Not available

**14.5 Environmental hazards**

Not available

**14.6 Special precautions for user**

Not available

**14.7 Bulk shipping according to IMO instruments**

Not available

**14.8 Additional information**

Not available

**section 15** Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

**15.2 Chemical Safety Assessment**

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

**15.3 Additional information**

Not available

**section 16** Other information

## 16.1 Indication of changes

Not applicable (first edition of the MSDS).

## 16.2 Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.

ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.

CLP: Classification, labeling and packaging.

VPvB: very persistent and very bioaccumulative substances.

## 16.3 Key literature references and sources for data

Not available

## 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

## 16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H302	Acute Tox. 4 ORAL	Harmful if swallowed
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H314	Skin Corr. 1	Causes severe skin burns and eye damage
H332	Acute Tox. 4 INHALATION	Harmful if inhaled.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects









## 16.6 Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

## 16.7 Additional information

Emergency phone number:

 <a href="#">Austria</a>	13 11 26	 <a href="#">Latvia</a>	+371 67042743
 <a href="#">Belgium</a>	+32 (0)70 245 245	 <a href="#">Liechtenstein</a>	112
 <a href="#">Bulgaria</a>	+359 2 9154 409	 <a href="#">Lithuania</a>	+370 8-5 236 20 52
 <a href="#">Croatia</a>	+385 1 2348 342	 <a href="#">Luxembourg</a>	8002-5500
 <a href="#">Cyprus</a>	112	 <a href="#">Malta</a>	112
 <a href="#">Czech Republic</a>	+420 224 919 293 +420 224 915 402	 <a href="#">Netherlands</a>	112 +32 (0)70 245 245
 <a href="#">Denmark</a>	82 12 12 12	 <a href="#">Norway</a>	22 59 13 00
 <a href="#">Estonia</a>	16 662 +372 7943 794	 <a href="#">Poland</a>	112
 <a href="#">Finland</a>	09 471 977	 <a href="#">Portugal</a>	808250143
 <a href="#">France</a>	+33 (0)1 45 42 59 59	 <a href="#">Romania</a>	112
 <a href="#">Germany</a>	112 +32 (0)70 245 245	 <a href="#">Slovakia</a>	+421 2 5477 4166
 <a href="#">Greece</a>	+30 210 77 93 777	 <a href="#">Slovenia</a>	112

 <a href="#">Hungary</a>	+36 80 201 199	 <a href="#">Spain</a>	+34 91 562 04 20
 <a href="#">Iceland</a>	112 +543 2222 +543 1000	 <a href="#">Switzerland</a>	145
 <a href="#">Ireland</a>	+353 (0)1 809 2166	 <a href="#">Sweden</a>	112 (begär Giftinformation)
 <a href="#">Italy</a>	+35 (0)2 6610 1029	 <a href="#">United Kingdom</a>	111

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The information given in this Safety Data Sheet is based on our present knowledge and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.