

**Solution S2 (EliGene® Soil DNA Isolation Kit, 412050)****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****1.1 Product information**

Commercial Product Name: Solution S2 (EliGene® Soil DNA Isolation Kit, 412050)

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

Use of the Substance/Mixture: Laboratory chemicals

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

Company: ELISABETH PHARMACON, spol. s r.o.  
Rokycanova 4437/5, 615 00 Brno,  
Czech Republic

Telephone: +420 542 213 851

Fax: +420 542 213 827

E-mail: info@elisabeth.cz

**1.4 Emergency telephone number**

Centre for detoxification Prague: +420 224 91 92 93/ +420 224 91 54 02

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Mixtures**

*Hazardous components*

Remarks: No hazardous ingredients

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

General advice: Show this data sheet to the doctor in attendance.

If inhaled: Move to fresh air.  
If symptoms persist, call a physician.

In case of skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If symptoms persist, call a physician.

In case of eye contact: Remove contact lenses.  
Protect unharmed eye.

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Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

If accidentally swallowed obtain immediate medical attention.  
Rinse mouth with water.  
Never give anything by mouth to an unconscious person.

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

Symptoms: No information available.

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

Treatment: No information available.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 Extinguishing media**

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

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

Specific hazards during firefighting: Exposure to decomposition products may be a hazard to health.

Hazardous combustion products: No hazardous combustion products are known

**5.3 Advice for firefighters**

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: In the event of fire and/or explosion do not breathe fumes.

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

Personal precautions: Use personal protective equipment.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so.

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

Methods for cleaning up: Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For personal protection see section 8.

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

Advice on safe handling: For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against Normal measures for preventive fire protection.

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fire and explosion:

Hygiene measures:

Keep away from food and drink. When using do not eat, drink or smoke.

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

Other data:

No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s):

Laboratory chemicals

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

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

*Personal protective equipment*

Eye protection:

Safety glasses

Hand protection Remarks:

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Footwear protecting against chemicals

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

Appearance:

liquid

Colour:

colorless

Odour:

No data available

Odour Threshold:

No data available

pH:

No data available

Melting point/range:

No data available

Boiling point/boiling range:

No data available

Flash point:

No data available

Evaporation rate:

No data available

Burning rate:

No data available

Upper explosion limit:

No data available

Lower explosion limit:

No data available

Vapour pressure:

No data available

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Relative vapour density:	No data available
Relative density:	No data available
Density:	No data available
Solubility(ies)	
Water solubility:	soluble
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

**9.2 Other information**

No data available

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions:	Stable under recommended storage conditions. None under normal use
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**10.4 Conditions to avoid**

Conditions to avoid:	No data available
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**10.5 Incompatible materials**

Materials to avoid:	No data available
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**10.6 Hazardous decomposition products**

Hazardous decomposition products:	No decomposition if stored and applied as directed.
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**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Toxicological information for the product**

Not classified based on available information.

Product:

Acute oral toxicity:	No data available
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Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available

*Skin corrosion/irritation*

Not classified based on available information.

Product:

*Remarks*

May cause skin irritation in susceptible persons.

*Serious eye damage/eye irritation*

Not classified based on available information.

Product:

May irritate eyes.

*Respiratory or skin sensitisation*

Skin sensitisation: No data available

Respiratory sensitisation: No data available

*Germ cell mutagenicity*

Not classified based on available information.

*Carcinogenicity*

Not classified based on available information.

*Reproductive toxicity*

Not classified based on available information.

*STOT - single exposure*

Not classified based on available information.

*STOT - repeated exposure*

Not classified based on available information.

*Aspiration toxicity*

Not classified based on available information.

*Further information*

Not classified based on available information.

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity to fish: No data available

Toxicity to algae: No data available

Toxicity to bacteria: No data available

**12.2 Persistence and degradability**

No data available

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**12.3 Bioaccumulative potential**

Bioaccumulation: No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

Additional ecological information: No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Waste from residues: Dispose of as hazardous waste in accordance with local and national regulations.

Contaminated packaging: Dispose of as unused product.  
Do not reuse empty containers repeatedly.**SECTION 14. TRANSPORT INFORMATION****14.1 UN number**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

For personal protection see section 8.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

REACH -Candidate List of Substances of Very High Concern for Authorisation (Article 59): Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants: Not applicable

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: Not applicable

**15.2 Chemical Safety Assessment**

No data available

**SECTION 16. OTHER INFORMATION**

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.