

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****1.1 Product information**

Commercial Product Name: Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)

**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**

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

**2.2 Label elements**

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

**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

No hazardous ingredients

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

General advice: Move out of dangerous area  
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.

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)**

In case of eye contact: Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
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

Symptoms: Causes serious eye irritation.

**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 product from entering drains.  
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.

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)****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 fire and explosion:

Normal measures for preventive fire protection.

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:

clear

Odour:

odourless

Odour Threshold:

No data available

pH:

8 - 8.5, (18 - 22 °C)

Melting point/range:

ca. 0 °C

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)**

---

|                                         |                     |
|-----------------------------------------|---------------------|
| Boiling point/boiling range:            | ca. 100 °C          |
| 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   |
| Relative vapour density:                | No data available   |
| Relative density:                       | No data available   |
| Density:                                | 1 g/cm <sup>3</sup> |
| 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:                              | 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.<br>Hazardous decomposition products formed under fire conditions. |
|----------------------|----------------------------------------------------------------------------------------------------------------|

**10.4 Conditions to avoid**

|                      |                    |
|----------------------|--------------------|
| Conditions to avoid: | No data available. |
|----------------------|--------------------|

**10.5 Incompatible materials**

|                     |                   |
|---------------------|-------------------|
| Materials to avoid: | No data available |
|---------------------|-------------------|

**10.6 Hazardous decomposition products**

|                                   |                                                     |
|-----------------------------------|-----------------------------------------------------|
| Hazardous decomposition products: | No decomposition if stored and applied as directed. |
|-----------------------------------|-----------------------------------------------------|

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)****SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Toxicological information for the product**

Product:

Acute oral toxicity: No data available

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*

No data available

*Carcinogenicity*

No data available

*Reproductive toxicity*

No data available

*STOT - single exposure*

No data available

*Aspiration toxicity*

No data available

*Further information*

No data available

**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**

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)**

No data available

**12.3 Bioaccumulative potential**

Bioaccumulation: No data available

Partition coefficient: n

-octanol/water: 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 Remarks: No data available

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

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

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

**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**

Not applicable for product as supplied.

**Solution P8 (EliGene® Plant DNA Isolation Kit, 414050P, 414050)**

---

**SECTION 15. REGULATORY INFORMATION**

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

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.