

# SAFETY DATA SHEET

Version 8.13  
Revision Date 08/06/2024  
Print Date 09/07/2024

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

### 1.1 Product identifiers

Product name : GenElute™ Plant Genomic DNA Miniprep Kit  
Product Number : G2N10  
Brand : Sigma

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

Identified uses : Laboratory chemicals, Synthesis of substances  
Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by MilliporeSigma.

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

Company : Sigma-Aldrich Inc.  
3050 SPRUCE ST  
ST. LOUIS MO 63103  
UNITED STATES  
Telephone : +1 314 771-5765  
Fax : +1 800 325-5052

### 1.4 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332  
 Skin corrosion (Category 1C), H314  
 Serious eye damage (Category 1), H318  
 Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory Tract, H373  
 Short-term (acute) aquatic hazard (Category 3), H402  
 Long-term (chronic) aquatic hazard (Category 3), H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard Statements

H302 + H332

Harmful if swallowed or if inhaled.

H314

Causes severe skin burns and eye damage.

H373

May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

H412

Harmful to aquatic life with long lasting effects.

Precautionary Statements

P260

Do not breathe mist or vapors.

P264

Wash skin thoroughly after handling.

P270

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

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 + P330

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 +

IF IN EYES: Rinse cautiously with water for several minutes.

P310

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P314

Get medical advice/ attention if you feel unwell.

P363

Wash contaminated clothing before reuse.

P405

Store locked up.

P501

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

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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### SECTION 3: Composition/information on ingredients

Refer to component SDS

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**SECTION 4: First aid measures**

Refer to component SDS

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**SECTION 5: Firefighting measures**

Refer to component SDS

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**SECTION 6: Accidental release measures**

Refer to component SDS

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

For precautions see section 2.2.

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

No data available

**7.3 Specific end use(s)**

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

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**SECTION 8: Exposure controls/personal protection**

Refer to component SDS

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**SECTION 9: Physical and chemical properties**

Refer to component SDS

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**SECTION 10: Stability and reactivity**

Refer to component SDS

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**SECTION 11: Toxicological information**

Refer to component SDS

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**SECTION 12: Ecological information**

Refer to component SDS

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**SECTION 13: Disposal considerations**

Refer to component SDS

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**SECTION 14: Transport information****DOT (US)**

UN number: 3316 Class: 9 Packing group: III

Proper shipping name: Chemical kits

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

**IMDG**

UN number: 3316 Class: 9 Packing group: III EMS-No: F-A, S-P

Proper shipping name: CHEMICAL KIT

**IATA**

UN number: 3316 Class: 9 Packing group: III

Proper shipping name: Chemical kit

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**SECTION 15: Regulatory information****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

Components	CAS-No.	Component TPQ (lbs)
Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned	
Lysis Solution Part B	Not Assigned	
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned	
Binding solution for GenElute™ plant genomic	Not Assigned	

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DNA kit		
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned	
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned	
DNA Filtration column	Not Assigned	
Nucleic acid binding column	Not Assigned	

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## US State Regulations

### Massachusetts Right To Know

Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
Nucleic acid binding column	Not Assigned
DNA Filtration column	Not Assigned

### Maine Chemicals of High Concern

Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
Nucleic acid binding column	Not Assigned
DNA Filtration column	Not Assigned

### Vermont Chemicals of High Concern

Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
DNA Filtration column	Not Assigned
Nucleic acid binding column	Not Assigned

### Washington Chemicals of High Concern

Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
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Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
DNA Filtration column	Not Assigned
Nucleic acid binding column	Not Assigned

**The ingredients of this product are reported in the following inventories:**

TSCA : Product contains substance(s) not listed on TSCA inventory.

**TSCA list**

The following substance(s) is/are subject to a Significant New Use Rule:

Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
DNA Filtration column	Not Assigned
Nucleic acid binding column	Not Assigned

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Lysis buffer for GenElute™ plant genomic DNA kit	Not Assigned
Lysis Solution Part B	Not Assigned
Precipitation solution for GenElute™ plant genomic DNA kit	Not Assigned
Binding solution for GenElute™ plant genomic DNA kit	Not Assigned
Wash solution for GenElute™ plant genomic DNA kit	Not Assigned
TE Buffer for GenElute™ Plant Genomic DNA Kit	Not Assigned
DNA Filtration column	Not Assigned
Nucleic acid binding column	Not Assigned

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**SECTION 16: Other information**

**Kit Components:**

Lysis buffer for GenElute™ plant	Sigma	L7910	Skin Corr. 1C; Eye Dam. 1; STOT RE 2; H314, H373
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Sigma - G2N10

genomic DNA kit			
Lysis Solution Part B	Sigma	L8035	
Precipitation solution for GenElute™ plant genomic DNA kit	Sigma	P9727	
Binding solution for GenElute™ plant genomic DNA kit	Sigma	B2177	Acute Tox. 4; Skin Corr. 1C; Eye Dam. 1; Aquatic Acute 3; Aquatic Chronic 3; H302 + H332, H314, H412
Wash solution for GenElute™ plant genomic DNA kit	Sigma	W3011	
TE Buffer for GenElute™ Plant Genomic DNA Kit	Sigma	T7688	
DNA Filtration column	Sigma	C9346	
Nucleic acid binding column	Sigma	C9471	

### Further information

The information is believed to be correct but is not exhaustive and will be used solely as a guideline, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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Version: 8.13

Revision Date: 08/06/2024

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## Kit Components:

Lysis buffer for GenElute™ plant genomic DNA kit					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - L7910		Danger	Causes severe skin burns and eye damage. May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.	Do not breathe mist or vapors. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Wash skin thoroughly after handling. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. IF IN EYES: Rinse cautiously with water for several minutes.	

Sigma - G2N10

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				Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Get medical advice/ attention if you feel unwell. Wash contaminated clothing before reuse.	
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### Lysis Solution Part B

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - L8035					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### Precipitation solution for GenElute™ plant genomic DNA kit

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - P9727					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

### Binding solution for GenElute™ plant genomic DNA kit

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - B2177		Danger	Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage.	Avoid breathing mist or vapors. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel	

			<p>Harmful to aquatic life with long lasting effects.</p>	<p>unwell. Rinse mouth. Store locked up. Dispose of contents/ container to an approved waste disposal plant. Wash skin thoroughly after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Do not eat, drink or smoke when using this product. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call</p>	
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				a POISON CENTER/ doctor. Wear protective gloves/ protective clothing/ eye protection/ face protection. Wash contaminated clothing before reuse.	
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**Wash solution for GenElute™ plant genomic DNA kit**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - W3011					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

**TE Buffer for GenElute™ Plant Genomic DNA Kit**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - T7688					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

**DNA Filtration column**

Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C9346					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

<b>Nucleic acid binding column</b>					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Sigma - C9471					No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.