# Hazard Overview

Version 6.11
Revision Date 06/10/2026
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## SECTION 1. IDENTIFICATION

### 1.1 Product identifiers

Product name : CelLytic™ PN Isolation/Extraction Kit

Product Number : CELLYTPN1
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 number

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

### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Hazards for the product as supplied**

| | | |
|---|---|---|
| Acute toxicity (Oral) | : | Category 4 |
| Skin irritation | : | Category 2 |
| Serious eye damage | : | Category 1 |
| Short-term (acute) aquatic hazard | : | Category 1 |
| Long-term (chronic) aquatic hazard | : | Category 1 |

**Other hazards**

None known.

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : Corrosive to the respiratory tract.

Precautionary statements :

**Prevention:**

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove



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contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P391 Collect spillage.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Please refer to component Safety Data Sheet and/or to Section 16 Kit components

## SECTION 4. FIRST AID MEASURES

Refer to component SDS

## SECTION 5. FIREFIGHTING MEASURES

Refer to component SDS

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Refer to component SDS

## SECTION 7. HANDLING AND STORAGE

For precautions see section 2.2.

| | | |
|---|---|---|
| Further information on storage conditions | : | Tightly closed.<br>Keep locked up or in an area accessible only to qualified or authorised persons. |
| Storage class | : | 10, Combustible liquids |
| Recommended storage temperature | : | 36 - 46 °F / 2 - 8 °C |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component SDS

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component SDS



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## SECTION 10. STABILITY AND REACTIVITY

Refer to component SDS

## SECTION 11. TOXICOLOGICAL INFORMATION

Refer to component SDS

## SECTION 12. ECOLOGICAL INFORMATION

Refer to component SDS

## SECTION 13. DISPOSAL CONSIDERATIONS

Refer to component SDS

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**
Not regulated as a dangerous good

**IMDG-Code**
Not regulated as a dangerous good

**Transport in bulk according to IMO instruments**
Not applicable for product as supplied.

**National Regulations**

**49 CFR**
Not regulated as a dangerous good
Poison Inhalation Hazard : No

**Special precautions for user**

| | | |
|---|---|---|
| Remarks | : | Not classified as dangerous in the meaning of transport regulations. |

## SECTION 15. REGULATORY INFORMATION

| | | |
|---|---|---|
| **SARA 311/312 Hazards** | : | Acute Health Hazard<br>Chronic Health Hazard |

## SECTION 16. OTHER INFORMATION

**Kit Components:**

| | | |
|---|---|---|
| Sucrose | Aldrich | Y750506 |



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| | | |
|---|---|---|
| Triton™ X-100 | Sigma | T8532 |
| Percoll® | Sigma | P1644 |

**Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Revision Date : 06/10/2026

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# Kit Components:

| **Sucrose** | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Aldrich - Y750506 | | Warning | May form combustible dust concentrations in air. | | |

| **Triton™ X-100** | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma - T8532 |  | Danger | Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Very toxic to aquatic life with long lasting effects. | Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth. Dispose of contents/ container to an approved waste disposal plant. Do not eat, drink or smoke when using this product. IF ON SKIN: Wash with plenty of soap and water. Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and | |



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| | | | | | |
|---|---|---|---|---|---|
| | | | | easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor. Wear protective gloves/ eye protection/ face protection. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. Collect spillage. | |

| **Percoll®** | | | | | |
|---|---|---|---|---|---|
| Product identifier | Pictogram | Signal word | Hazard statements | Precautionary statements | Supplemental information |
| Sigma - P1644 | | | | | No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required. |



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