

Material Safety Data Sheet

Version 4.1
Revision Date 02/14/2011
Print Date 04/12/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GenElute™ Gel Extraction Kit

Product Number : NA1111

Brand : Sigma

Product Use : For laboratory research purposes.

Supplier : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052
Emergency Phone # (For both supplier and manufacturer) : (314) 776-6555

Preparation Information : Sigma-Aldrich Corporation
Product Safety - Americas Region
1-800-521-8956

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

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

Harmful by ingestion., Corrosive

GHS Classification

Acute toxicity, Inhalation (Category 3)

Acute toxicity, Oral (Category 4)

Skin corrosion (Category 1)

Serious eye damage (Category 1)

Skin sensitization (Category 1)

Acute aquatic toxicity (Category 3)

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H331 Toxic if inhaled.
H402 Harmful to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

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present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/ physician.

P310

HMIS Classification

Health hazard: 3
Chronic Health Hazard: 0
Flammability: 0
Physical hazards: 1

NFPA Rating

Health hazard: 3
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation

May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Harmful if absorbed through skin. Causes skin burns.

Causes eye burns.

Harmful if swallowed.

Skin

Eyes

Ingestion

3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to component MSDS

4. FIRST AID MEASURES

Refer to component MSDS

5. FIRE-FIGHTING MEASURES

Refer to component MSDS

6. ACCIDENTAL RELEASE MEASURES

Refer to component MSDS

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Never allow product to get in contact with water during storage. Do not store near acids.

Light sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component MSDS

9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component MSDS

10. STABILITY AND REACTIVITY

Refer to component MSDS

11. TOXICOLOGICAL INFORMATION

Refer to component MSDS

12. ECOLOGICAL INFORMATION

Refer to component MSDS

13. DISPOSAL CONSIDERATIONS

Refer to component MSDS

14. TRANSPORT INFORMATION

DOT (US)

UN number: 3316 Class: 9
Proper shipping name: Chemical kits
Reportable Quantity (RQ): 52632 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG

UN number: 3316 Class: 9
Proper shipping name: CHEMICAL KIT
Marine pollutant: No

IATA

UN number: 3316 Class: 9
Proper shipping name: Chemical kit

EMS-No: F-A, S-P

15. REGULATORY INFORMATION

OSHA Hazards

Harmful by ingestion., Corrosive

SARA 302 Components

CAS-No.	Revision Date

SARA 313 Components

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.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

CAS-No.	Revision Date

Pennsylvania Right To Know Components

CAS-No.	Revision Date

New Jersey Right To Know Components

CAS-No.	Revision Date

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Kit Components:

elution solution for genelte gel extraction kit	SIGMA	E9027	No known OSHA hazards
Column Preparation Solution	SIGMA	C2112	Corrosive
gel solubilization solution	SIGMA	G8668	Harmful by ingestion.
Wash Solution Concentrate G	SIGMA	W2139	No known OSHA hazards

Further information

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