



SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 12/01/2011
Date Updated: 01/28/2006
Version 1.30

Section 1 - Product and Company Information

Product Name GenElite#8482, HP Plasmid Miniprep Kit
Product Number NAO150
Brand Sigma Chemical
Company Sigma-Aldrich
Street Address 3050 Spruce Street
City, State, Zip, Country SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5832
Fax: 800-325-5052
Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

| Substance Name | CAS # | SARA 313 | EC no | Annex I Index Number |
|--|------------|----------|-------------|----------------------|
| BINDING SOLUTION G | None | No | | |
| Ingredient Name PROPRIETARY COMPONENT(S) | CAS # None | Percent | SARA 313 No | |

Section 3 - Hazards Identification

Emergency Overview
Toxic (USA) Harmful (EU).
Harmful if swallowed. Irritating to eyes and skin.
Target organ(s): Bone marrow, Nerves.

HMIS Rating
Health: 2* Flammability: 0 Reactivity: 0

NFPA Rating
Health: 2 Flammability: 0 Reactivity: 0

*additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assume adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Extinguishing Media Suitable
Carbon dioxide, dry chemical powder, or appropriate foam/Water spray.

Firefighting Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill
Evacuate area.

Procedure(s) of Personal Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling User Exposure
Avoid prolonged or repeated exposure. Do not breathe vapor. Avoid contact with eyes, skin, and clothing.

Storage Suitable
Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment Respiratory
Use respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14397) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.

Risk Statements

Harmful if swallowed. Irritating to eyes and skin.

Safety Statements

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Statements

Target organ(s): Bone marrow, Nerves.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2011 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.



SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 12/01/2011
Date Updated: 05/24/2009
Version: 1.70

Section 1 - Product and Company Information

Product Name GenElite#482; HP Plasmid Mhiprep Kit
Product Number NA0150
Brand Sigma Chemical
Company Address Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS, MO 63103 US
Technical Phone: 800-325-5632
Emergency Phone: 314-776-6555
Fax: 800-325-5062

Section 2 - Composition/Information on Ingredient

| Substance Name | CAS # | SARA 313 | EC no | Annex I Index Number |
|---|--------------|----------------|-----------------|----------------------|
| WASH SOLUTION 1 | None | Yes | | |
| Ingredient Name | CAS # | Percent | SARA 313 | |
| GUANIDINE HYDROCHLORIDE | 50-01-1 | 42.989 % | No | |
| WATER | 7732-18-5 | 30.199 % | No | |
| 2-PROPANOL | 57-63-0 | 25.000 % | Yes | |
| TRIS(HYDROXYMETHYL)AMINOMETHANE ACETATE | 6850-28-8 | 1.812 % | No | |

Formula
Synonyms

Section 3 - Hazards Identification

Emergency Overview
Toxic (USA) Harmful (EU), Flammable, Harmful if swallowed, Irritating to eyes and skin, Vapors may cause drowsiness and dizziness.
Target organ(s): Nerves, Bone marrow.

HMS Rating
Health: 2*
Flammability: 3
Reactivity: 0

NFPA Rating
Health: 2
Flammability: 3
Reactivity: 0

*additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Flammable Hazards Yes

Explosion Hazards

Vapor may travel considerable distance to source of ignition and flash back.

Container explosion may occur under fire conditions.

Autoignition Temp:

N/A

Flammability:

Yes

Extinguishing Media Suitable

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray, solid streams of water may be effective. Cool all affected containers with flooding quantities of water.

Firefighting Protective Equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)

Flammable liquid. Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill

Evacuate area. Shut off all sources of ignition.

Procedure(s) of Personal Precaution(s)

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up

Cover with drylime, sand, or soda ash. Place in covered containers using nonsparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling

User Exposure

Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Section 14 - Transport Information

DOT
Proper Shipping Name: Flammable liquids, n.o.s.
UN#: 1993
Class: 3
Packing Group: Packing Group III
Hazard Label: Flammable liquid
PIH: Not PIH

IATA

Proper Shipping Name: Flammable liquid, n.o.s.
IATA UN Number: 1993
Hazard Class: 3
Packing Group: III

Section 15 - Regulatory Information

EU Additional Classification

Symbol of Danger: Xn
Indication of Danger:
Harmful.

Risk Statements R: 10 22 36/38 67

Flammable. Harmful if swallowed. Irritating to eyes and skin. Vapors may cause drowsiness and dizziness.

Safety Statements S: 7 23 26 36

Keep container tightly closed. Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Classification and Label Text

Indication of Danger

Toxic (USA); Harmful (EU); Flammable.

Risk Statements

Harmful if swallowed. Irritating to eyes and skin. Vapors may cause drowsiness and dizziness.

Safety Statements

Keep container tightly closed. Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Statements

Target organ(s): Nerves, Bone marrow.

United States Regulatory Information

SARA Listed: Yes

Notes: This product is or contains a component that is subject to SARA313 reporting requirements.

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. SigmaAldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2011 SigmaAldrich Co. License granted to make unlimited paper copies for internal use only.

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