

# GELFREE<sup>®</sup> 8100 Cartridge Kit

## Material Safety Data Sheet (MSDS)

Revision Number: 1.3

Last updated August, 2011

### Section 1 - Product and Company Identification

**Product Name:** GELFREE 8100 Cartridge Kit 12% Tris Acetate, GELFREE 8100 Cartridge Kit 8% Tris Acetate, GELFREE 8100 Cartridge Kit 5% Tris Acetate, GELFREE 8100 Cartridge Kit 10% Tris Acetate

**Catalog Number:** 42102, 42103, 42104, 42105

**Unit Size:** GELFREE 8100 Cartridge, Running Buffer (500mL), and Acetate Sample Buffer (2mL)

**Manufacturer/Supplier:** Protein Discovery, Inc.  
418 South Gay Street, Suite 203  
Knoxville, TN 37902  
Tel: 865-521-7400  
Fax: 865-521-3548  
Web: <http://www.proteindiscovery.com>  
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### Section 2 - Composition / Information on Ingredients

#### GELFREE 8100 Cartridge

Name	CAS Number	%
[2-Hydroxy-1,1-bis(hydroxymethyl)ethyl]ammonium acetate	6850-28-8	1-2
Proprietary polyacrylamide	NA	5-12
Sodium azide	247-852-1	0.03

#### Running Buffer

Name	CAS Number	%
4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid	230-907-9	1-2
Ethylenediaminetetraacetic acid	60-00-4	0.01-0.05
Sodium dodecyl sulphate	151-21-3	0.1
Tris (hydroxymethyl) aminomethane	77-86-1	0.1-1.0

#### Acetate Sample buffer

Name	CAS Number	%
Ethylenediaminetetraacetic acid	60-00-4	0.05-0.10
Sodium dodecyl sulphate	151-21-3	10.0
Tetrabromophenol blue	115-39-9	0.01-0.05
Tris (hydroxymethyl) aminomethane	77-86-1	0.5-1.0
Tris(hydroxymethyl) aminomethane hydrochloride	1185-53-1	0.5-1.0

### Section 3 - Hazards Identification

**Emergency Overview:** Avoid contact and inhalation. To our knowledge, the hazards of this material have not been thoroughly investigated. We recommend handling all chemicals with caution.

#### Potential Health Effects

**Inhalation:** No information available

**Ingestion:** No information available

**Skin:** No information available

**Eyes:** No information available

**Chronic Exposures:** No information available

**Target Organs:** No information available

#### **Section 4 – First Aid Measures**

*Potentially harmful. Avoid prolonged or repeated exposure. Wash thoroughly after handling. If eye or skin contact occurs, immediately wash affected area with soap and copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician to seek medical advice. If swallowed, wash out mouth with water provided person is conscious and call a physician to seek medical advice. If inhaled, move individual to fresh air and call a physician to seek medical advice.*

#### **Section 5 - Fire Fighting Measures**

*Extinguishing media:* Water spray, carbon dioxide, dry chemical powder or appropriate foam.

*Special firefighting procedures:* Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### **Section 6 - Accidental Release Measures**

Use appropriate protective equipment and methods to clean up spilled substances promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

#### **Section 7 - Handling and Storage**

Avoid contact with eyes, skin, and clothing. Keep in properly labeled containers.

#### **Section 8 - Exposure Controls / Personal Protection**

<i>Respiratory protection</i>	In case of insufficient ventilation wear suitable equipment
<i>Hand protection</i>	Protective gloves
<i>Eye protection</i>	Safety glasses with side-shields
<i>Skin and body protection</i>	Lightweight protective clothing

#### **Section 9 - Physical and Chemical Properties**

<i>Form:</i>	No information available
<i>Odor:</i>	No information available
<i>Solubility in Water:</i>	No information available
<i>Specific Gravity:</i>	No information available
<i>pH:</i>	No information available
<i>Boiling Point:</i>	No information available
<i>Melting Point:</i>	No information available
<i>Flash Point:</i>	No information available
<i>Vapor Pressure:</i>	No information available

#### **Section 10 - Stability and Reactivity**

<i>Stability</i>	Stable
<i>Dangerous Products of Decomposition:</i>	No information available
<i>Dangerous Reactions:</i>	No information available

#### **Section 11 - Toxicological Information**

<i>RTECS Number:</i>	None known
<i>Toxicity:</i>	None known
<i>Health Hazards:</i>	Not thoroughly investigated.
<i>Potential Hazards:</i>	The complete properties have not been investigated and should be treated as potentially hazardous.
<i>Carcinogenicity:</i>	Not listed by NTP, IARC or OSHA.

**Section 12 - Ecological Information**

No information available.

**Section 13 - Disposal Considerations**

Consult local, state or national regulations for proper disposal.

**Section 14 - Transport Information**

DOT:

Non-hazardous for transport – This substance is considered to be non-hazardous for transport.

IATA:

Non-hazardous for air transport – This substance is considered to be non-hazardous for air transport.

**Section 15 – Regulatory Information**

US Toxic Substances Control Act (TSCA):

Not listed

US Other:

Not applicable

EEC EINICS Number:

Not identified

Other Country Regulations:

None identified

EEC Risk Statements:

Not determined

**Section 16 - Other Information**

*This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. Protein Discovery shall not be held liable for any damage resulting from handling or from contact with the above product.*