



# UPX™ Universal Protein Extraction Kit

## Material Safety Data Sheet (MSDS)

Revision Number: 1.1

Last updated October 2010

### Section 1 - Product and Company Identification

**Product Name:** UPX™ Universal Protein Extraction Kit  
**Catalog Number:** 44101  
**Unit Size:** 50mL bottle  
**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>  
e-Mail: [support@proteindiscovery.com](mailto:support@proteindiscovery.com)

### Section 2 - Composition / Information on Ingredients

Name	CAS-No.
Sodium dodecyl sulfate	151-21-3
Lysis buffer	
Reducing agent	

### 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:** Causes respiratory tract irritation.  
**Ingestion:** May be harmful if swallowed.  
**Skin:** Causes skin irritation.  
**Eyes:** Causes eye irritation.  
**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>	Liquid
<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 under recommended storage conditions.
<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**

<i>DOT:</i>	Not regulated
<i>IATA:</i>	Not available

## **Section 15 – Regulatory Information**

<i>US Toxic Substances Control Act (TSCA):</i>	Not listed
<i>US Other:</i>	Not applicable
<i>EEC EINICS Number:</i>	Not identified
<i>Other Country Regulations:</i>	None identified
<i>EEC Risk Statements:</i>	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.*