

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

Product Name: Plasmid DNA Extraction Kits

Product number: IB47100, IB47101, IB47102, IB47110, IB47111, IB47112, IB47113, IB47120, IB47121, IB47122, IB47123, IB47124, IB47125, IB47150, IB47151, IB47152, IB47153, IB47154, IB47155, IB47175, IB47176, IB47180, IB47181, IB47190, IB47191

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory research use only

#### 1.3. Details of the supplier of the safety data sheet

Company: IBI Scientific

9861 Kapp CT Peosta, IA

52068 USA

Telephone: 563-690-0484

Fax: 563-690-0490

E-mail address: info@ibisci.com

#### 1.4. Emergency telephone number

Emergency phone # 911: Check local emergency contact information

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

GHS-US classification

Acute Toxicity. 4 (Oral) H302

Skin Irritant. 2 H315

Eye Irritant. 2A H319

Specific target organ toxicity - single exposure 3, Respiratory system H335

#### 2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US):



GHS07

GHS05

GHS09

Signal word (GHS-US): Warning

Hazard statements (GHS-US): H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H411: Toxic to aquatic life with long-lasting effects

H290: May be corrosive to metals

H314: Causes severe skin burns and eye damage

Precautionary statements (GHS-US): P264 - Wash exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P280 - Wear eye protection, protective gloves

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing

P312 - Call a POISON CENTER/doctor/.../if you feel unwell

P330 - If swallowed, rinse mouth

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P501 - Dispose of contents/container to comply with local, state and federal regulations

### 2.3. Other hazards

Other hazards not contributing to the classification: None

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3. Composition/information on ingredients

### 3.2. Mixtures

Name	Product Identifier	%	GHS-US Classification
Sodium Hydroxide	CAS-No. 1310-73-2	0.2-1%	H302, H315, H319, H335, H290, H314, H411
Sodium Dodecyl Sulfate	CAS-No. 151-21-3	0.5-2%	
Guanidine Hydrochloride	CAS-No. 50-01-1	5-10%	
Propan-2-ol	CAS-No. 71-23-8	10-15%	
Acetic Acid	CAS-No. 64-19-7	10-15%	
Triton® X-100	CAS-No. 9002-93-1	0.1-1.5%	

## SECTION 4. First aid measures

### 4.1 Description of First aid measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 Toxicological Information for more detailed health information. Causes serious eye irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

## SECTION 5. Fire Fighting Measures

Flammable Properties: Nonflammable aqueous solution.

### 5.1 Extinguishing Media

In case of fire use carbon dioxide (CO<sub>2</sub>), dry chemical, water spray or foam. For large fires use extinguishing media suitable for surrounding fire.

### 5.2 Special hazards arising from the substance or mixture

#### Special Fire and Explosion Hazards

None

## SECTION 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves, protective clothing and eye/face protection. Observe general safety guidelines for protection; avoid eye and skin contact.

### 6.2 Environmental Precautions

Contain spill to prevent migration. Do not allow the undiluted product to enter sewers/surface or ground water. Dispose of contents/container in accordance with local regulations

### 6.3 Methods and material for containment and cleaning up

As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

### 6.4 Reference to other sections Refer sections 8 and 13.

### SECTION 7. Handling and Storage

#### 7.1 Precautions for safe handling

Use good laboratory procedures; avoid eye and skin contact.

#### 7.2 Conditions for safe storage, including any incompatibilities

Dry at room temperature (15-25°C). To maintain product quality, store according to the instructions in the product labeling. Store away from strong acids, strong bases, strong oxidizers and incompatible materials (section 10).

#### 7.3 Specific end uses

No further relevant information available.

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

### SECTION 9. Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

Physical State: Liquid

Specific Gravity (Water=1.0): Not determined

Color: Colorless

Solubility: Miscible

Transparency: Clear

Odor: Odorless

pH: 7.5 - 8.5 @ 20°C

Partition coefficient: n-octanol/water: Not determined

Freezing Point: Not determined

Auto-ignition Temp. Not applicable

Boiling Point: Not determined

Decomposition Temperature: Not determined

Flash Point: Not applicable

Percent Volatiles: Not applicable

Evaporation Rate: Not determined

Vapor Pressure: Not determined

Flammability (Solid, Gas): Not applicable

Viscosity: Not determined

Flammability Limits: Not applicable

Explosive Properties: Not applicable

Vapor Density: Not determined

Oxidizing Properties: Not applicable

Odor Threshold: Not applicable

#### 9.2 Other Information

No further relevant information available.

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Extremely high or low temperatures.

#### 10.5. Incompatible materials

None.

#### 10.6. Hazardous decomposition products

Nitrogen oxides. Carbon monoxide. Carbon dioxide.

### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity: Harmful if swallowed.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/injuries after inhalation: May cause respiratory irritation.

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

Symptoms/injuries after ingestion: Swallowing a small quantity of this material will result in serious health hazard.

### SECTION 12. Ecological information

#### 12.1. Toxicity

Not established.

#### 12.2. Persistence and degradability

Not established.

#### 12.3. Bioaccumulative potential

Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Other information: Avoid release to the environment. Toxic to aquatic life with long lasting effects.

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials: Avoid release to the environment.

### SECTION 14. Transport information

In accordance with DOT

#### 14.1. UN number

No dangerous good in sense of transport regulations

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Additional information

No supplementary information available.

Overland transport: No additional information available

Transport by sea: No additional information available

Air transport: No additional information available

### SECTION 15. Regulatory information

#### 15.1. US Federal regulations

No additional information available

#### 15.2. International regulations

##### EU-Regulations

No additional information available

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

##### 15.2.2. National regulations

No additional information available

#### 15.3. US State regulations

No additional information available

### SECTION 16. Other information

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. IBI Scientific and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.