

Material Safety Data Sheet

Genomic DNA Isolation Kit (Paraffin-embedded tissue)

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Preparation Name:

Genomic DNA Isolation Kit (Paraffin-embedded tissue)

Catalogue number of the product: NA027-0100

Use of the preparation:

For laboratory use.

Suitable as for preparing genomic DNA from paraffin-embedded tissue

Company identification:

GeneDireX Inc. 5348 Vegas Dr. Las Vegas City, Nevada 89108, USA

Website: <http://www.genedirex.com>

E-mail: info@genedirex.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients:

Component 1: Buffer TL: 0.5-2% Sodium Dodecyl Sulphate; CAS-No. 151-21-3

Component 2: Buffer TB: 5-10% Guanidine Hydrochloride; CAS-No. 50-01-1

Component 3: Buffer W1: 5-10% Guanidine Hydrochloride; CAS-No. 50-01-1,
0.5-2% Sodium Dodecyl Sulphate; CAS-No. 151-21-3

Component 4: Buffer W2: No hazardous substances in concentrations to be declared

Component 5: Buffer EL: No hazardous substances in concentrations to be declared

Component 6: Column TC: No hazardous substances in concentrations to be declared

Component 7: Collection Tubes: No hazardous substances in concentrations to be declared

Other components:

Components not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC

3. HAZARD IDENTIFICATION

Sodium Dodecyl Sulphate:

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. FLAMMABLE SOLID.

Health Rating: 1 - Slight

Flammability Rating: 3 - Severe (Flammable)

Reactivity Rating: 1 - Slight

Contact Rating: 3 - Severe (Life)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

May cause allergic reaction in sensitive individuals.

Ingestion:

Large doses may cause gastrointestinal distress, nausea and diarrhea.

Skin Contact:

Mildly irritating to skin, causes dryness and a rash on continued exposure.

May cause allergic skin reactions.

Material Safety Data Sheet

Eye Contact:

Causes irritation, redness, and pain.

Chronic Exposure:

Chronic exposure may cause skin effects.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to the effects of the substance.

Guanidine Hydrochloride:

WARNING! CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED OR INHALED.

Health Rating: 2 - Moderate

Flammability Rating: 1 - Slight

Reactivity Rating: 0 - None

Contact Rating: 2 - Moderate

Lab Protective Equip: GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:

Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Ingestion:

Toxic. May cause neurological disturbances. Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea.

Skin Contact:

Causes irritation to skin. Symptoms include redness, itching, and pain.

Eye Contact:

Causes irritation, redness, and pain.

4. FIRST-AID MEASURES

Sodium Dodecyl Sulphate:

Inhalation:

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

Get medical attention.

Ingestion:

Give large amounts of water to drink. Never give anything by mouth to an unconscious person.

Get medical attention.

Skin Contact:

Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes.

Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Guanidine Hydrochloride:

Inhalation:

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

Get medical attention.

Ingestion:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

