
Safety Data Sheet
NUCLEIC ACID RETRIEVAL SOLUTION 1Doc. No. 931-HK873-EN, Rev: B
Date of Release : 09-November, 2011

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	NUCLEIC ACID RETRIEVAL SOLUTION 1		
PRODUCT NO.	HK873-XAK		
SUPPLIER	Emergo Europe	MANUFACTURER	BioGenex Laboratories Inc.
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHANOL	200-578-6	64-17-5	1-5%	F;R11
HYDROCARBONS, C16-20, SOLVENT-DEWAXED HYDROCRACKED PARAFFINIC DIST	307-662-2	97675-88-2	1-5%	Carc3;R40

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.

CLASSIFICATION Carc 3;R40.

4 FIRST-AID MEASURES**INHALATION**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

EYE CONTACT

Important! Immediately rinse with water for at least 15 minutes. Get medical attention immediately. Continue to rinse.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid water in straight hose stream; will scatter and spread fire.

UNUSUAL FIRE & EXPLOSION HAZARDS

Forms explosive mixtures with air.

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SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground. Collect and dispose of spillage as indicated in section 13.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Eliminate all sources of ignition. Avoid spilling, skin and eye contact. Avoid eating, drinking and smoking when using the product.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Do NOT use container made of: Aluminium.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
ETHANOL	OES	1000 ppm	1920 mg/m3		

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Chemical respirator with organic vapour cartridge.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solution
COLOUR	Colourless
ODOUR	Slight odour of alcohol

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

HAZARDOUS POLYMERISATION

Unknown.

MATERIALS TO AVOID

Strong oxidizing substances.

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HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures may form toxic and corrosive vapours.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No information specific to this product is available.

INHALATION

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

INGESTION

May cause nausea, headache, dizziness and intoxication. Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May be absorbed through the skin. Prolonged or repeated skin contact may cause dermatitis.

EYE CONTACT

Risk of serious damage to eyes.

TARGET ORGANS

Kidneys, central nervous system, liver, cardiovascular system, eyes

12 ECOLOGICAL INFORMATION

MOBILITY

The product is soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Incinerate in suitable combustion chamber.

14 TRANSPORT INFORMATION

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

HYDROCARBONS, C16-20, SOLVENT-DEWAXED HYDROCRACKED PARAFFINIC DIST

RISK PHRASES

R40 Limited evidence of a carcinogenic effect.

SAFETY PHRASES

S36/37 Wear suitable protective clothing and gloves.

S60 This material and/or its container must be disposed of as hazardous waste.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC. Safety Data Sheets Directive (91/155/EEC, as amended by Directives 93/112/EC and 2001/58/EC).

16 OTHER INFORMATION

REVISION COMMENTS

Compiled in accordance with 1999/45/EC (Dangerous Preparations Directive) and 28th ATP (Adaptation to Technical Progress) to 67/548/EEC (Dangerous Substances Directive).

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RISK PHRASES IN FULL

R11 Highly flammable.
R40 Limited evidence of a carcinogenic effect.