



TEPNEL

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING

PRODUCT NAME ELUCIGENE FH20

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition Mixture of Oligonucleotides in a trizma buffer:
Contains Cresol Red in sucrose (30%)

CAS No None assigned for the product
EC No None assigned for the product
Use For the simultaneous in vitro qualitative detection
of 18 mutations of the Low-density lipoprotein
receptor (LDLR) gene, 1 mutation in the
Apolipoprotein B-100 (Apo B) gene and 1
mutation in the Proprotein convertase
subtilisin/kexin type 9 (PCSK9) gene.

HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
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Contains no Hazardous Ingredients 91/155/EEC (93/112/EC)

3. HAZARDS IDENTIFICATION

Consideration of the composition of this product indicates that it does not present a significant health hazard to users.

Unlikely to cause harmful effects under recommended conditions of handling and use.

4. FIRST-AID MEASURES

Inhalation	Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Non-flammable	
Extinguishing Media	As appropriate for surrounding fire
Fire fighting protective equipment	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions

6. ACCIDENTAL RELEASE MEASURES

	Ensure suitable personal protection during removal of spillages.
Small spillages	Treat the product as water. Measures for dealing with spillages should be consistent with those employed for laboratory chemicals Wash the spillage area with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Keep in a cool place

Storage temperature	-20°C
Storage Life	Total storage life at recommended conditions 24 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	Non set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	8.3
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition	Not Applicable
Temperature (°C)	
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable

Hazardous reactions	Incompatible materials: None known
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Hazardous Decomposition Products	Hazardous polymerisation will not occur Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorous oxides
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11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This data sheet is prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.
