1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture
Product Name SAINT-mRNA
Product Code SM-2005-XX

Use of the Substance/Mixture
Identified uses For use in research and development only

Company/Undertaking Identification
Supplier Synvolux Therapeutics B.V.
J.H. Oortweg 19
2333 CH Leiden, The Netherlands
Phone: +31(0)71 332 23 88
Fax: +31(0)71 332 23 90
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For further information, please contact:
Contact point info@synvolux.com or +31(0)71 332 23 88

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Not hazardous according to Directive 67/548/EEC

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synthetic product in aqueous solution
SAINT transfection reagents and solutions included in the transfection kit are not derived from animal or cell culture products.

4. FIRST AID MEASURES

Skin contact In case of contact, immediately wash skin with soap and copious amounts of water.
Eye contact In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media Water spray, dry chemical powder, carbon dioxide, or appropriate foam.
Special risks Dangerous combustion products: CO\textsubscript{x}, NO\textsubscript{x}, HCl and other noxious gases or vapors in case of incomplete combustion.
Protective equipment Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES
Material Safety Data Sheet

General information
Exercise appropriate precautions to minimize direct contact with skin or eyes.

Spills/Leaks
Sweep up, place in a bag and hold for waste disposal. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling
Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Storage
Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures
Safety shower and eye bath. Mechanical ventilation required.

Hygiene measures
Wash thoroughly after handling.

Personal Protective Equipment:

Respirators
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. If irritation or other symptoms are experienced use an approved respirator.

Skin protection
Wear appropriate protective clothing and protective gloves to prevent skin exposure.

Eye protection
Wear chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Liquid

Appearance
Clear colorless

Odor
Odorless

pH
Not available

Boiling Point
Not available

Melting Point
Not available

Flash Point
Not applicable, as chemical is a solid

Flammability
Not classified as flammable

Auto ignition Temp
Does not auto ignite

Oxidizing Properties
Not classified as oxidizing

Explosive Properties
Not classified as explosive

10. STABILITY AND REACTIVITY

Chemical Stability
Stable

Conditions to Avoid
Moisture

Materials to Avoid
Strong oxidizing agents

Hazardous Decomposition Products
CO₂, NOₓ, HCl and other noxious gases or vapors

Hazardous Polymerization
Will not occur

11. TOXICOLOGICAL INFORMATION

Signs and symptoms of exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Route of exposure

Skin Contact
May cause skin irritation
Material Safety Data Sheet

Skin Absorption  May be harmful if absorbed through the skin
Eye Contact  May cause eye irritation
Ingestion  May be harmful if swallowed

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

| RID/ADR | Non-hazardous for road transport |
| IMDG | Non-hazardous for sea transport |
| IATA | Non-hazardous for air transport |

15. REGULATORY INFORMATION

US Federal Regulations
TSCA  Not listed on the TSCA inventory.
OSHA  Not considered hazardous by OSHA.

European Regulations
Not hazardous according to Directive 67/548/EEC
Caution: Substance not yet fully tested (EU)

Country Specific Information:
Canada:
DSL/NDSL  Not listed on the DSL or NDSL list
WHMIS  Not available

Germany:
WGK  3  (Self-Classification)

16. ADDITIONAL INFORMATION

MSDS creation date  23 December 2016
MSDS revision date  NA
Current version  002

Material should only be handled by qualified, experienced professionals. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. 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. In no event shall Synvolux Therapeutics B.V. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Synvolux Therapeutics B.V. has been advised of the possibility of such damages.

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