

# Material Safety Data Sheet (MSDS) for Signal Silence siRNA Kit



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## I. Identification

**Product name:** SignalSilence siRNA Kit

**CAS number:** N/A

**Catalog number:** N/A

## II. Composition, Information on Ingredients

The antibody kit components contain a hazardous ingredient at >1% and are therefore considered to be hazardous:

Targeted antibody (CAS # none) and Non-targeted antibody (CAS # none): 50% glycerol (CAS #56-81-5), 0.26 HEPES sodium salt (CAS#75277Standard 29 CFR 1910.1200(d)), the following siRNA kit components are not considered to be hazardous. They are mixtures that contain less than 1% hazardous chemicals and less than 0.1% carcinogenic chemicals.

siRNA (CAS # : none) 10 mM siRNA

Control fluorescein-labeled siRNA (CAS #: none) 10 mM fluorescein conjugated siRNA

Transfection reagent, (CAS# none): <0.25% dehydrated ethanol (CAS# 64-17-5).

## III. Health Hazard and Toxicological Data

**Emergency Overview:** No specific hazard.

### HMIS Rating:

Health: 1\* Flammability: 0 Reactivity: 0

### NFPA Rating:

Health: 1 Flammability: 0 Reactivity: 0

Routes of Entry: avoid ingestion and inhalation, avoid contact with skin, eyes.

Target Organ(s) kidneys

Chemical listed as carcinogen or potential carcinogen: No

## IV. Emergency and First Aid Procedures

**Swallowing:** If swallowed, wash mouth out with water, provided person is conscious. Call a physician.

**Skin:** in case of dermal contact, immediately wash skin with soap and copious amounts of water.

**Inhalation:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Eyes:** In case of contact, flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## V. Fire and Explosion Hazard Data

**Flammability:** May be combustible at high temperature.

**Flash Points:** N/A

**Extinguishing media:** Suitable: water spray, carbon dioxide, dry chemical powder, or appropriate foam.

**Special fire fighting procedures:** Wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards:** Emits toxic fumes under fire conditions.

## VI. Physical Data

### Property Value:

Physical state: solutions

Appearance: colorless

Molecular weight: N/A

pH: N/A

Boiling point: decomposes

Vapor pressure: N/A

Vapor density: N/A

Specific gravity: N/A

Melting Point: N/A

Evaporation Rate: N/A

Solubility in water: soluble

## VII. Stability and Reactivity

Stability and Reactivity: Product is stable.

Incompatibilities: Strong oxidizing reagents

Hazardous Decomposition products: Nature of decomposition products not known.

## VIII. Toxicological Information

National Toxicology Program Glycerol: Oral LD50 rabbit 27g/kg

Target organ data Glycerol: Behavioral, headache, gastrointestinal, nausea or vomiting.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties of the components of this kit have not been thoroughly investigated. Prolonged exposure may cause nausea, headache, and vomiting. Allergy-prone individuals should be particularly cautious with proteins or other materials of biologic origin.

## IX. Spill or Leak Procedures



**Steps to be taken if material is spilled or released:** Wear lab coat, chemical resistant gloves and safety glasses. Wipe up spill with a suitable absorbant and dispose of properly. Wash down the spill site.

**Waste Disposal:** Method: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## X. Handling and Storage

**Handling:** avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**Storage:** keep tightly closed. Store at 4°C.

## XI. 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 for experienced personnel. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.

We recommend treating all chemicals with caution whether or not they are deemed hazardous under OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is sold only for R&D purposes. No other use is intended, and any other use may involve substantive hazards. This product is intended for research personnel who are well trained in the good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory.