

SECTION 1: IDENTIFICATION**1.1 Product identifier**

Product Name NISH Detection 2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses For research use only. Not for diagnostic use.

1.3 Details of the supplier of the data sheet

Company Empire Genomics Corp.
3370 Walden Ave, Suite 114
Depew, NY 14043
Telephone +1 716 856 3440

SECTION 2. HAZARDS IDENTIFICATION

This safety data sheet complies with the requirements of Regulation EC 1907/2006.

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 Label elements including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

None.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Chemical Characterization**

Mixture of synthetic oligonucleotides and chemicals.

3.2 Dangerous Components

None.

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

General information	Move to fresh air. If you feel unwell, seek medical advice. Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air. Consult a physician if necessary. If not breathing, give artificial respiration.
Ingestion	Rinse mouth. Consult a physician. Never give anything by mouth to an unconscious person.

Skin Contact	Do not induce vomiting without medical advice. Rinse immediately with plenty of water. Get medical attention if symptoms occur.
Eye Contact	Rinse immediately with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses if present. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

May cause slight skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed.

No data available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	Alcohol-resistant foam, water spray, carbon dioxide (CO ₂), or dry chemical.
5.2 Special hazards	No data available.
5.3 Advice for fire fighters	Wear self-contained breathing apparatus and protective suit.
5.4 Further information	No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Always use personal protection equipment. Avoid dust formation. Avoid breathing dust.

6.2 Environmental Precautions

No special environmental protection measures are necessary.

6.3 Methods and material for containment and clean up

Absorb with liquid-binding material (e.g., sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Wear personal protective equipment as described in Section 8 of the Safety Data Sheet.

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide good ventilation. Always wear recommended personal protective equipment. Avoid spilling. Avoid contact with skin, eyes, and clothing.

7.2 Conditions for safe storage, including any incompatibles

Store at 2-8°C under sterile conditions. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from food and drink.

7.3 Specific end use(s)

For research use only.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Exposure Limits

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

Personal Protective Equipment

Wear protective gloves/protective clothing and eye/face protection. Only wear fitting, comfortable, and clean protective clothing.

Respiratory Protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand Protection

Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374.

Eye Protection

Tightly sealed safety glasses.

Skin and Body Protection

Wear suitable protective clothing.

Environmental exposure controls

Refer to Section 6. No further action is necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance: Liquid.

9.2 Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No data available.

10.2 Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Exposure to light and heat.

10.5 Incompatible materials

No dangerous reactions under conditions of normal use.

10.6 Hazardous decomposition products

None under conditions of normal use.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Toxicological information

No data available.

Principle Routes of exposurePotential Health Effects

Inhalation

May cause irritation of respiratory tract.

Ingestion

May be harmful if swallowed.

Skin contact

May cause skin irritation in susceptible persons.

Eye contact

May cause eye irritation in susceptible persons.

Carcinogenetic effects

No data available.

Mutagenic effects

No data available.

Reproductive toxicity

No data available.

Sensitization

No data available.

Target organ effects

No data available.

Other adverse effect

No data available.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Ecotoxicity**

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product shall comply with all the requirements of all applicable local, regional, national/federal regulations.

SECTION 14. TRANSPORT INFORMATION**IATA/ADR/DOT-US/IMDG**

Not dangerous goods. Not regulated by transport regulations.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazards	Not applicable

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****US Federal Regulations****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312

No SARA Hazards.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants, as defined by the US Clean Air Act.

Clean Water Act

This product does not contain any hazardous substances listed under the US Clean Water Act.

15.2 Chemical safety assessment

No data available.

SECTION 16. OTHER INFORMATION**Disclaimer**

The above information is believed to be correct but shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Molecular Instruments, Inc. cannot control the actual methods, volumes, or conditions of use, Molecular Instruments, Inc. shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this safety data sheet (SDS) does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See www.molecularinstruments.com/terms for our terms of sale.