



Material Safety Data Sheet

Version 2.0
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Product and Company Identification

Product Name: Seq-DI Formamide
Product Use: For Research Use Only. Not for use in diagnostic procedures
Company: NimaGen B.V.
Lagelandseweg 56
6545CG, Nijmegen
The Netherlands
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Composition/Information on Ingredients

Chemical Name	Formamide
Formular	CH ₃ NO
Molecular Weight	45.05
CAS#	75-12-7
Weight %	70-90

Hazards Identification

Emergency Overview

Toxic.

May cause harm to the unborn child. Harmful in contact with skin. Readily absorbed through skin. Target organ: Liver. Lungs.

HMIS Rating

Health: 2*

Flammability: 0

Reactivity: 0

NPFA Rating

Health: 2

Flammability: 0

Reactivity: 0

* Additional chronic hazards present.



First Aid Measures

Oral Exposure:

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

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Dermal Exposure:

Wash off immediately with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

Eye Exposure:

Rinse thoroughly with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Fire-Fighting Measures

Suitable Extinguishing Media:

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Specific protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific hazard(s): Emits toxic fumes under fire conditions.

Specific hazards combustible material:

Thermal decomposition can lead to release of toxic and corrosive gases/vapors. In the event of fire, cool tanks with water spray.

Accidental Release Measures

Personal Precautions:

Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning up:

Dam up. Absorb with sand or other non-combustible materials. Collect spilled material in appropriate container for disposal.

Handling And Storage

Handling:

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Exposure Controls/Personal Protection

Engineering Measures

Showers, eyewash stations, and ventilation systems.

Personal Protective Equipment Eye/Face Protection:

Chemical safety glasses with side-shields.

**Skin Protection:**

Compatible chemical-resistant gloves.

Respiratory Protection:

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

General Hygiene Measures

Wash contaminated clothing before reuse. Wash thoroughly after handling.

Physical And Chemical Peoperties

Appearance: Colorless.

Odor: Mild

Physical State: Liquid. **pH:** Approximately neutral (in aqueous solution) **Flash Point:** No information available.

Autoignition Temperature: Not applicable

Decomposition Temperature: No information available.

Boiling Point/Range: No information available.

Melting Point/Range: No information available.

Flammability Limits in Air: No information available.

Explosion Limits: No information available.

Specific Gravity: No information available.

Water Solubility: Soluble in water.

Solubility: No information available.

Evaporation Rate: No information available.

Vapor Pressure: No information available.

Vapor Density: No information available. **VOC**

Content: Not applicable.

Partition Coefficient (n-octanol/water): No information available.

Stability And Reactivity**Stability:**

Stable under recommended storage conditions.

Incompatible Products:

None known

Conditions to Avoid:

None known

Hazardous Decomposition Products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Toxicological Information**Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Chronic Toxicity Irritation**

Moderately irritating to the eyes. Moderate dermal irritant.

Reproductive Toxicity

May cause harm to the unborn child.

Developmental Toxicity

No information available.

Target Organ Effects

Central nervous system (CNS). Eyes. Reproductive System. Respiratory system. Skin.

Ecological Information**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Persistence and Degradability No information available.

Disposal Considerations**Waste Disposal Method**

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

Transport Information**DOT**

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Not regulated No hazardous for Air Transport: Non-hazardous for air transport.

Regulatory Information**EU Directives Classification**

Symbol of Danger: T

Indication of Danger: Toxic

Risk Statements

May cause harm to the unborn child. Also harmful in contact with skin.

Safety Statements

Restricted to professional users. Attention – Avoid exposure – obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

US Classification and Label Text

Indication of Danger: Toxic

Risk Statements

May cause harm to the unborn child. Harmful in contact with skin.

Safety Statements

Avoid exposure – obtain special instructions before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.

US Statements



Readily absorbed through skin. Target organ(s): Liver. Lungs.

United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: Yes

Canada Regulatory Information

WHIMS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Further information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of MSDS