

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-T-103486
<b>Product Name</b>	Nifurtimox-d4
<b>CAS No.</b>	23256-30-6(unlabelled)
<b>Category</b>	Stable Isotopes
<b>Synonyms</b>	3-Methyl-N-[(5-nitro-2-furanyl)methylene]-4-thiomorpholinamine-d4 1,1-Dioxide; 4-(5-Nitrofurfurylideneamino)-3-methylthiomorpholine-d4 1,1-Dioxide; BAY 2502-d4; Bayer 2502-d4; Lampit-d4; (+/-)-Nifurtimox-d4
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Not available

#### 2.2 Label Elements

**Signal Word:** Not available

Not available

#### Hazard Statement(s)

Code	Statement
Not available	Not available

#### Precautionary Statement(s)

Code	Statement
Not available	Not available

### SECTION 3: Composition / information on ingredients

#### 3.1 Substance

Component : Nifurtimox-d4

CAS Number : 23256-30-6(unlabelled)

Molecular Formula : C<sub>10</sub>H<sub>10</sub>D<sub>4</sub>N<sub>2</sub>O<sub>4</sub>S

Molecular Weight : 291.32

Parent Chemical : Nifurtimox

Synonyms : 3-Methyl-N-[(5-nitro-2-furanyl)methylene]-4-thiomorpholinamine-d4 1,1-Dioxide;

4-(5-Nitrofurfurylideneamino)-3-methylthiomorpholine-d4 1,1-Dioxide; BAY 2502-d4; Bayer 2502-d4; Lampit-d4;

(+/-)-Nifurtimox-d4

Concentration : Not available

### SECTION 4: First aid measures

#### SECTION 4: First-aid measures

##### 4.1 Description of first aid measures

General advice:

- Seek medical attention if symptoms occur or persist.
- Show this Safety Data Sheet to the physician in attendance.

If inhaled:

- Move person to fresh air.
- If breathing is difficult, seek medical attention.

In case of skin contact:

- Wash with plenty of soap and water.
- Remove contaminated clothing and wash before reuse.
- Seek medical attention if irritation develops.

In case of eye contact:

- Rinse cautiously with water for several minutes.
- Remove contact lenses if present and easy to do; continue rinsing.
- Seek medical attention if irritation persists.

If swallowed:

- Rinse mouth.
- Do not induce vomiting unless directed by medical personnel.
- Seek medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed

- Not available.

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

- Treat symptomatically.
- No data available.

### SECTION 5: Firefighting measures

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media:

- Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing media:

- Not available.

#### 5.2 Special hazards arising from the substance or mixture

- No data available.
- Combustion may produce carbon oxides, nitrogen oxides, and sulfur oxides (exact decomposition products not available).

#### 5.3 Advice for firefighters

- Wear self-contained breathing apparatus (SCBA) and full protective gear.
- Use water spray to cool unopened containers.
- Avoid inhalation of combustion products.

### SECTION 6: Accidental release measures

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

- Avoid breathing dust/fume.
- Avoid contact with skin and eyes.
- Use appropriate personal protective equipment (see Section 8).
- Ensure adequate ventilation.

##### 6.2 Environmental precautions

- Prevent further leakage or spillage if safe to do so.
- Avoid release to the environment.

##### 6.3 Methods and material for containment and cleaning up

- Avoid generating dust.
- Collect spillage using inert absorbent material and place in a suitable, closed container for disposal.
- Clean contaminated area with appropriate cleaning method; avoid washings entering drains.

##### 6.4 Reference to other sections

- See Section 8 for personal protective equipment.
- See Section 13 for disposal considerations.

### SECTION-7: Handling and storage

#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

- Handle in accordance with good industrial hygiene and safety practice.
- Avoid formation of dust and aerosols.
- Avoid contact with skin, eyes, and clothing.
- Use only with adequate ventilation.
- Wash hands thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store in a tightly closed container.
- Store in a cool, dry, well-ventilated place.
- Protect from moisture.
- Incompatibilities: Not available.

### 7.3 Specific end use(s)

- Laboratory/research use. Not for food, drug, or household use.

## SECTION 8: Exposure controls / personal protection

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Occupational exposure limits:

- No data available.

Derived no-effect level (DNEL) / Predicted no-effect concentration (PNEC):

- Not available.

#### 8.2 Exposure controls

Engineering controls:

- Use local exhaust ventilation or other engineering controls to maintain airborne levels as low as practicable.

Personal protective equipment (PPE):

Eye/face protection:

- Safety glasses with side shields or chemical splash goggles.

Skin protection:

- Protective gloves (material selection based on permeation data; not available).
- Lab coat or protective clothing.

Respiratory protection:

- If ventilation is inadequate or dust/aerosols may be generated, use an appropriate NIOSH/EN-approved respirator.

Hygiene measures:

- Do not eat, drink, or smoke when using this product.
- Wash hands after handling.

Environmental exposure controls:

- Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available

Test	Result
Solubility	No data available

Property	Value
a) Physical State	No data available
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

### SECTION 10: Stability and reactivity

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##### 10.1 Reactivity

- No data available.

##### 10.2 Chemical stability

- Stable under recommended storage conditions.

##### 10.3 Possibility of hazardous reactions

- No data available.

##### 10.4 Conditions to avoid

- Heat, open flame, and sources of ignition.
- Moisture (if applicable).
- Dust generation.

#### 10.5 Incompatible materials

- Not available.

#### 10.6 Hazardous decomposition products

- No data available (may include carbon oxides, nitrogen oxides, sulfur oxides under fire conditions).

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- Acute toxicity: No data available.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: No data available.
- Respiratory or skin sensitization: No data available.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No data available.
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

#### Likely routes of exposure

- No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics

- Not available.

### SECTION 12: Ecological information

#### SECTION 12: Ecological information

##### 12.1 Toxicity

- No data available.

##### 12.2 Persistence and degradability

- No data available.

##### 12.3 Bioaccumulative potential

- No data available.

##### 12.4 Mobility in soil

- No data available.

##### 12.5 Results of PBT and vPvB assessment

- Not available.

##### 12.6 Endocrine disrupting properties

- No data available.

##### 12.7 Other adverse effects

- No data available.

### SECTION 13: Disposal considerations

#### SECTION 13: Disposal considerations

##### 13.1 Waste treatment methods

###### Product:

- Dispose of contents/container in accordance with local/regional/national/international regulations.
- Do not discharge to drains.

###### Contaminated packaging:

- Dispose of as unused product.

###### Waste code:

- Not available.

### SECTION 14: Transport information

#### SECTION 14: Transport information

##### 14.1 UN number

- Not available.

##### 14.2 UN proper shipping name

- Not available.

##### 14.3 Transport hazard class(es)

- Not available.

##### 14.4 Packing group

- Not available.

##### 14.5 Environmental hazards

- Not available.

##### 14.6 Special precautions for user

- Not available.

##### 14.7 Maritime transport in bulk according to IMO instruments

- Not available.

### SECTION 15: Regulatory information

#### SECTION 15: Regulatory information

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulatory status: Not available.
- GHS classification: Not available.
- Hazard statements/precautionary statements: Not available.

##### 15.2 Chemical safety assessment

- No data available.

### SECTION 16: Other information

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- Parent chemical: Nifurtimox

##### Supplier information:

- Supplier: Clearsynth Labs Ltd., Mumbai, India
- Emergency phone: +91-22-245045900

##### Revision information:

- Prepared based on available product information; hazard and regulatory data: Not available.

##### Disclaimer:

- The information provided is believed to be accurate to the best of our knowledge based on available data; it is provided without warranty. Users are responsible for determining suitability for their particular application and for compliance with applicable regulations.

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