

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

Catalogue Number	CS-T-98765
Product Name	Mixture of (R,S)-N-Nitroso Anabasine-d4, rac N'-Nitrosonornicotine-d4 , and 4-(Methylnitrosamino)-1-(3-pyridyl-d4)-1-butanone (1mg/mL in Acetonitrile)
CAS No.	Not available
Category	Nitrosamine
Synonyms	Not available
Brand	Clearsynth Labs Ltd.
Identified uses	Laboratory Chemicals
Uses advised against	Not available
Company	Clearsynth Labs Ltd. Mumbai, India
Emergency Phone #	+91-22-245045900
REACH No.	Not available

SECTION 2: Hazards identification

Disclaimer: This is sample MSDS. Please email 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 : Mixture of (R,S)-N-Nitroso Anabesine-d4, rac N'-Nitrosoanabesine-d4 , and 4-(Methylnitrosamino)-1-(3-pyridyl-d4)-1-butanone (1mg/mL in Acetonitrile)

CAS Number : Not available

Molecular Formula : N/A

Molecular Weight : N/A

Parent Chemical : Not available

Synonyms : Not available

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 you feel unwell. Show this SDS to the physician in attendance.

Inhalation: Move person to fresh air. Keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Remove contaminated clothing and shoes. Wash skin with plenty of water and soap. Get medical attention if irritation or symptoms occur.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get 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. Not available.

SECTION 5: Firefighting measures

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures appropriate to local circumstances and the surrounding environment (e.g., water spray, alcohol-resistant foam, dry chemical, carbon dioxide).

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

Flammable solvent present (acetonitrile). Vapors may form explosive mixtures with air. Combustion may produce hazardous decomposition products including nitrogen oxides (NOx), carbon oxides, and other irritating/toxic fumes. Not available for mixture-specific decomposition products.

5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool containers with water spray. Prevent fire-fighting water from entering drains or waterways.

SECTION 6: Accidental release measures

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6.1 Personal precautions, protective equipment and emergency procedures

Evacuate unnecessary personnel. Ensure adequate ventilation. Avoid breathing vapors/mist. Avoid contact with skin and eyes. Use appropriate personal protective equipment (see Section 8).

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent entry into drains, sewers, or waterways.

6.3 Methods and material for containment and cleaning up

Contain spill. Absorb with inert material (e.g., sand, silica gel, universal binder). Collect in suitable, closed, labeled container for disposal. Clean spill area with compatible solvent/detergent as appropriate. Dispose of waste in accordance with Section 13.

6.4 Reference to other sections

See Sections 8 and 13.

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. Use only with adequate ventilation (preferably in a chemical fume hood). Avoid breathing vapors/mist. Avoid contact with skin, eyes, and clothing. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Use non-sparking tools and explosion-proof equipment where required. Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated place. Keep container tightly closed and properly labeled. Store away from ignition sources. Protect from heat and direct sunlight. Incompatibilities: Not available.

7.3 Specific end use(s)

For laboratory/research use only. Not available.

SECTION 8: Exposure controls / personal protection

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits: Not available for the mixture and components.

Biological limit values: Not available.

8.2 Exposure controls

Engineering controls: Use local exhaust ventilation or general ventilation to maintain airborne concentrations below applicable exposure limits (if established). Use in a chemical fume hood when handling.

Personal protective equipment (PPE):

- Eye/face protection: Safety glasses with side shields or chemical splash goggles.

- Skin protection: Wear protective gloves (chemical-resistant). Select glove material based on permeation/compatibility for acetonitrile and nitrosamine-containing solutions. Not available for specific glove breakthrough times.

- Body protection: Lab coat or chemical-resistant protective clothing as appropriate.

- Respiratory protection: If ventilation is inadequate, use appropriate respiratory protection in accordance with applicable regulations. Not available for specific respirator selection.

Hygiene measures: Wash hands after handling. Remove contaminated clothing and wash before reuse. Do not eat, drink, or smoke when using this product.

Environmental exposure controls: Avoid release to the environment. Use appropriate containment.

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
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

Property	Value
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

Not available.

10.2 Chemical stability

Stable under recommended storage conditions. Not available.

10.3 Possibility of hazardous reactions

Not available.

10.4 Conditions to avoid

Heat, sparks, open flames, and other ignition sources. Excessive heat. Not available.

10.5 Incompatible materials

Not available.

10.6 Hazardous decomposition products

May include nitrogen oxides (NOx), carbon oxides, and other irritating/toxic fumes. Not available for complete list.

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

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12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

Not available.

SECTION 13: Disposal considerations

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Residues: Dispose of as hazardous waste in accordance with local/regional/national/international regulations. Do not discharge to drains.

Contaminated packaging: Empty containers may retain residues. Dispose of container and contents in accordance with applicable regulations.

Waste code: Not available.

SECTION 14: Transport information

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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

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

Not available.

15.2 Chemical safety assessment

Not available.

SECTION 16: Other information

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Catalog no.: CS-T-98765

Supplier: Clearsynth Labs Ltd., Mumbai, India

Emergency phone: +91-22-245045900

Revision date: 2026-03-19

Disclaimer: The information provided in this SDS is based on data believed to be reliable; however, no warranty is expressed or implied regarding its accuracy or completeness. Users must determine suitability for their particular purpose and comply with all applicable laws and regulations.

Abbreviations and acronyms: Not available.

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