Safety Data Sheet (SDS)

According to Regulation (EC) No. 1907/2006 (REACH)
Product: Dihexa
CAS number: 1401708-83-5
Revision date: 13 March 2026

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1. Identification of the substance and of the company

Product identifier

Product name: Dihexa
CAS number: 1401708-83-5
Synonyms: PNB-0408; N-hexanoic-Tyr-Ile-(6) aminohexanoic amide.

Relevant identified uses

Chemical reference material
Laboratory research and analytical applications

Not intended for food, drug, cosmetic or household use. This aligns with public supplier SDS language for research-chemical supply.

Supplier

Rexar
Genestetstraat 3
2394 XK Hazerswoude
Netherlands

Email: info@rexar.nl

Emergency information

Contact local poison control centre.

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2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Skin irritation, Category 2
H315 Causes skin irritation

Eye irritation, Category 2
H319 Causes serious eye irritation

Specific target organ toxicity — single exposure, Category 3
H335 May cause respiratory irritation

Label elements

Pictogram: **GHS07**
Signal word: **Warning**

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust.
P280 Wear protective gloves/eye protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a doctor/poison center if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

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3. Composition / information on ingredients

Substance: Dihexa

CAS number: 1401708-83-5

Molecular formula: C27H44N4O5
Molecular weight: 504.7 g/mol

Purity: typically ≥95% or ≥98%, depending on batch specification. Carl ROTH's public SDS/product listing shows **≥95%**, so for publication you should match this line to your own COA.

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4. First aid measures

General advice

Remove contaminated clothing. Seek medical advice if symptoms persist.

Inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Skin contact

Rinse skin with water/shower. If skin irritation occurs, consult a physician.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical advice if irritation persists.

Ingestion

Rinse mouth. Seek medical advice if unwell. Public SDS language supports standard medical follow-up after ingestion.

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5. Firefighting measures

Suitable extinguishing media

Water spray
Dry chemical powder
Carbon dioxide
Foam.

Special hazards

Combustion may produce carbon oxides and nitrogen oxides. This is consistent with the structure and standard decomposition wording used in supplier SDS documents for organic nitrogen-containing compounds.

Protective equipment

Firefighters should wear self-contained breathing apparatus.

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6. Accidental release measures

Personal precautions

Avoid breathing dust. Use appropriate protective equipment. Ensure adequate ventilation.

Environmental precautions

Do not allow material to enter drains or waterways.

Cleanup methods

Collect mechanically and place in a suitable waste container. Avoid dust generation.

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7. Handling and storage

Handling

Use standard laboratory safety practices. Avoid dust formation and inhalation. Avoid contact with skin and eyes.

Storage

Store tightly closed in a cool, dry and well-ventilated place.

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8. Exposure controls / personal protection

Exposure limits

No substance-specific occupational exposure limit was identified in the reviewed public sources.

Engineering controls

Use adequate ventilation.

Personal protective equipment

Eye protection: safety glasses
Gloves: chemical-resistant gloves
Respiratory protection: dust mask / particulate respirator if dust is generated
Protective clothing: lab coat.

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9. Physical and chemical properties

Appearance: solid / powder
Color: white to off-white
Molecular formula: C27H44N4O5
Molecular weight: 504.7 g/mol.

10. Stability and reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Avoid excessive heat, moisture and dust generation. Public supplier SDS documents indicate normal stable handling with standard precautions.

Incompatible materials

Strong acids
Strong bases
Strong oxidizing agents
Strong reducing agents.

Hazardous decomposition

Carbon oxides
Nitrogen oxides.

11. Toxicological information

Based on the reviewed public SDS sources, the most defensible hazard line for Dihexa is:

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation.

Exposure routes may include inhalation of dust, skin contact, eye contact and ingestion.

12. Ecological information

Limited ecological data available in the reviewed public sources.

Avoid release into the environment.

13. Disposal considerations

Dispose of material in accordance with local regulations. Use licensed chemical waste disposal where applicable.

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14. Transport information

The reviewed public supplier materials do not indicate standard dangerous-goods transport classification for Dihexa. For Rexar wording, the conservative line is:

Not classified as dangerous goods according to transport regulations:

ADR (road)
IMDG (sea)
IATA (air).

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15. Regulatory information

This product is supplied as a **chemical reference material for laboratory use**.

Classification used in this draft:

Skin Irrit. 2 — H315
Eye Irrit. 2 — H319
STOT SE 3 — H335.

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16. Other information

This Safety Data Sheet provides information for safe handling in laboratory environments.

The product is supplied **for research and analytical use only**. Public supplier documentation supports this type of positioning for Dihexa.

The information provided is based on reviewed public supplier safety documentation and chemical identity records and is believed to be accurate, but does not constitute a guarantee of product properties.