Safety Data Sheet (SDS)

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

Product: Dihexa **CAS:** 1401708-83-5 **Revision:** 01 September 2026

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

1.1 Product identifier

Product name: Dihexa
CAS number: 1401708-83-5
Synonyms: PNB-0408; Hexanoyl-Tyr-Ile-Ahx-NH2

1.2 Relevant identified uses and uses advised against

Relevant identified uses: laboratory and analytical use; chemical reference material / technical compound.
Uses advised against: human or veterinary use; food, supplements, cosmetics, household, diagnostic or therapeutic use.

1.3 Details of the supplier

Rexar
Genestetstraat 3
2394 XK Hazerswoude-Rijndijk
Netherlands
Email: info@rexar.nl
Website: www.rexar.nl

1.4 Emergency telephone number

In an emergency, contact the appropriate local emergency service or poison information centre.

SECTION 2: Hazards identification

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

Skin Irrit. 2 - H315: Causes skin irritation.
Eye Irrit. 2 - H319: Causes serious eye irritation.
STOT SE 3 - H335: May cause respiratory irritation.

2.2 Label elements

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 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.

2.3 Other hazards

No additional product-specific hazard information is available in this SDS beyond the classification stated above.

SECTION 3: Composition/information on ingredients

Substance	CAS	Formula	Molar mass
Dihexa	1401708-83-5	C27H44N4O5	504.66 g/mol

Batch-specific purity is not stated in this SDS. Refer to the product label and applicable batch-specific documentation where provided.

SECTION 4: First aid measures

4.1 Description of first aid measures

General: Remove contaminated clothing.
Inhalation: Move to fresh air. Seek medical advice if symptoms persist or if there is uncertainty.
Skin contact: Rinse skin thoroughly with water. If irritation develops or persists, obtain medical advice.
Eye contact: Rinse cautiously with clean water for several minutes while holding eyelids open. Remove contact lenses if easy to do. Obtain medical advice if irritation persists.
Ingestion: Rinse mouth. Seek medical advice if unwell.

4.2 Most important symptoms and effects

Irritation of skin, eyes or respiratory tract; coughing or breathing discomfort may occur following dust exposure.

4.3 Immediate medical attention

Treat symptomatically. No substance-specific antidote is known from the information used to prepare this SDS.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use extinguishing media appropriate to the surrounding fire, such as water spray, foam or dry chemical powder. Avoid a direct high-pressure water jet where it may disperse powder.

5.2 Special hazards arising from the substance

Combustion may produce carbon oxides and nitrogen oxides. Fine combustible dust may present a dust-fire/explosion hazard if dispersed and accumulated.

5.3 Advice for firefighters

Avoid breathing fire gases. Use self-contained breathing apparatus and protective equipment as appropriate for the surrounding fire.

SECTION 6: Accidental release measures

6.1 Personal precautions

Avoid breathing dust and avoid contact with skin and eyes. Ensure adequate ventilation. Wear appropriate protective equipment.

6.2 Environmental precautions

Prevent release to drains, surface water and groundwater.

6.3 Methods for containment and cleaning

Avoid dust generation. Collect mechanically and place in a suitable, closed container for disposal. Ventilate the affected area.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use adequate ventilation. Avoid dust formation and accumulation. Avoid contact with skin and eyes. Wash hands after handling and before breaks.

7.2 Conditions for safe storage

Keep container tightly closed in a dry, cool place. Recommended storage temperature: 2-8 C. Protect from light and moisture.

7.3 Specific end uses

Laboratory and analytical use only.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No substance-specific occupational exposure limit has been identified for Dihexa. Apply appropriate controls for nuisance/particulate dust in accordance with local workplace requirements.

8.2 Exposure controls

Engineering controls: Use suitable local/general ventilation where dust may be generated.
Eye/face protection: Safety glasses or goggles with side protection.
Hand protection: Chemical-resistant gloves suitable for laboratory handling (for example nitrile; verify compatibility for the task).
Respiratory protection: Use suitable particulate respiratory protection when engineering controls do not adequately control dust.
Protective clothing: Laboratory coat or equivalent protective clothing.

SECTION 9: Physical and chemical properties

Physical state	Solid / powder
Colour	White to off-white (typical supplied form)
Odour	No reliable substance-specific data available
Melting/freezing point	No reliable substance-specific data available
Boiling point	Not applicable / no reliable data for decomposition-prone solid
Flammability	Combustible organic solid; not expected to ignite readily under normal handling
pH	Not applicable to the dry substance
Water solubility	No reliable value specified in this SDS
Vapour pressure	Not applicable / no reliable value for solid
Molecular formula	C27H44N4O5
Molecular weight	504.66 g/mol

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactivity is expected under recommended storage and handling conditions. Avoid accumulation/dispersal of fine dust.

10.2 Chemical stability

Stable under normal ambient conditions and recommended storage conditions.

10.3 Possibility of hazardous reactions

Strong oxidising agents may cause hazardous reactions.

10.4 Conditions to avoid

Excessive heat, moisture, ignition sources and uncontrolled dust generation.

10.5 Incompatible materials

Strong oxidising agents. Avoid unnecessary contact with strongly reactive chemicals.

10.6 Hazardous decomposition products

On combustion: carbon monoxide, carbon dioxide and nitrogen oxides may be formed.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity: insufficient product-specific data are available for a numerical acute toxicity estimate in this SDS.
Skin corrosion/irritation: classified as Skin Irrit. 2; causes skin irritation.
Serious eye damage/irritation: classified as Eye Irrit. 2; causes serious eye irritation.
Respiratory or skin sensitisation: no reliable substance-specific data available.
Germ cell mutagenicity: no reliable substance-specific data available.
Carcinogenicity: no reliable substance-specific data available.
Reproductive toxicity: no reliable substance-specific data available.
STOT - single exposure: classified as STOT SE 3; may cause respiratory irritation.
STOT - repeated exposure: no reliable substance-specific data available.
Aspiration hazard: not expected to be relevant for a solid powder.

11.2 Other hazards

No additional toxicological information is established in this SDS. This product is not intended for human or veterinary use.

SECTION 12: Ecological information

12.1 Toxicity

No reliable substance-specific ecotoxicity data are available in this SDS.

12.2 Persistence and degradability

No reliable substance-specific data available.

12.3 Bioaccumulative potential

No reliable substance-specific data available.

12.4 Mobility in soil

No reliable substance-specific data available.

12.5 PBT and vPvB assessment

No product-specific assessment is provided in this SDS.

12.6 Endocrine disrupting properties

No product-specific assessment is provided in this SDS.

12.7 Other adverse effects

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of contents and contaminated packaging in accordance with applicable local, regional and national requirements for chemical waste. Do not discharge to drains. Handle contaminated packaging with the same precautions as the product.

SECTION 14: Transport information

14.1 UN number / ID number	Not subject to dangerous-goods transport regulations
14.2 UN proper shipping name	Not assigned
14.3 Transport hazard class(es)	Not assigned
14.4 Packing group	Not assigned
14.5 Environmental hazards	Not classified as environmentally hazardous for transport
14.6 Special precautions	Protect package from damage and moisture; avoid dust release
14.7 Maritime transport in bulk	Not intended for transport in bulk
ADR/RID	Not subject to ADR/RID
IMDG	Not subject to IMDG
IATA/ICAO	Not subject to IATA/ICAO dangerous-goods provisions

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations

This SDS is structured in accordance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2020/878 and uses CLP Regulation (EC) No 1272/2008 terminology. Users are responsible for determining any additional national or use-specific regulatory requirements applicable to their activities.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out by Rexar for this product.

SECTION 16: Other information

Full text of hazard statements

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

Key data sources

Chemical identity: PubChem CID 129010512 (CAS 1401708-83-5). Hazard classification and general safety-handling information were cross-checked against current European supplier SDS information for Dihexa and the applicable REACH/CLP regulatory framework.

Revision information

Revision date: 01 September 2026. This revision corrects the chemical identity and removes non-final drafting language present in the superseded document.