

Safety Data Sheet

#89981975 · Full 16-section SDS

According to Regulation (EC) No 1907/2006

According to Regulation (EC) No 2020/878

PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
6-Aminohexyl)carbamic acid	143-06-6	C7H16N2O2	10	04 Sep 2026

SECTION 1

Identification

1.1 Product identifier

Product name 6-Aminohexyl)carbamic acid

CAS number 143-06-6

EC / EINECS number 205-581-6

Chemical formula C7H16N2O2

Molecular weight 160.21

SMILES C(CCCNC(=O)O)CCN

1.2 Relevant identified uses of the substance or mixture and uses advised against

For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.

1.3 Details of the supplier of the safety data sheet

Molekula Limited
1 Millennium Way, Newton Aycliffe
Durham, DL5 6JW, United Kingdom
info@molekula.com · +44 (0) 3302 000333

1.4 Emergency telephone number

0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification

2.1 Classification of the substance or mixture

Flam. Sol. 1 or Flam. Sol. 2; H228

Skin Irrit. 2; H315

Eye Irrit. 2; H319

STOT SE 3; H335

2.2 Label elements



WARNING

CODE	HAZARD STATEMENT
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H228	Flammable solid
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H315	Causes skin irritation
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H319	Causes serious eye irritation
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H335	May cause respiratory irritation
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CODE	PRECAUTIONARY STATEMENT
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P261	Avoid breathing dust/fume/gas/mist/vapours/spray
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P280	Wear protective gloves/protective clothing/eye protection/face protection
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P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
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P305+351+338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
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P308+313	IF exposed or concerned: Get medical advice/attention
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2.3 Other hazards

Toxicological properties not thoroughly investigated

SECTION 3

Composition / information on ingredients

3.1 Substances

Name	6-Aminohexyl)carbamic acid
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CAS number	143-06-6
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EC number	205-581-6
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Concentration / purity	~100%
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Classification according to Regulation (EC) No 1272/2008	Flam. Sol. 1 or Flam. Sol. 2; H228 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
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Hazard statements	H228, H315, H319, H335
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Acute toxicity estimate (ATE)	No data available
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Impurities / stabilising additives	Not applicable
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SECTION 4

First-aid measures

4.1 Description of first aid measures

Inhalation	Remove to fresh air; administer artificial respiration if breathing stops; call physician
Skin contact	Wash immediately with water and soap for 15+ minutes; remove contaminated clothing; call physician
Eye contact	Flush with flowing water for 10–15 minutes; consult ophthalmologist
Ingestion	Rinse mouth with water (if conscious); call physician

Get medical attention if any discomfort continues. Show this Safety Data Sheet (SDS) to medical personnel. First aiders/ medical personnel need to protect themselves.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5

Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam, dry powder, CO₂, water spray

Unsuitable extinguishing media No specific firefighting procedure given

5.2 Special hazards arising from the substance or mixture

Toxic fumes (nitrogen oxides, CO₂, CO)

5.3 Advice for firefighters

Wear self-contained breathing apparatus; avoid inhaling combustion gases; collect contaminated extinguishing water separately

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use breathing apparatus for vapors/dusts; ensure ventilation

6.2 Environmental precautions

Prevent soil/subsoil/surface water contamination; treat wastewater

6.3 Methods and material for containment and cleaning up

Collect in closed containers; ventilate area; no specific cleanup methods provided

6.4 Reference to other sections

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

7.1 Precautions for safe handling

Avoid skin/eye contact, ingestion, inhalation; wash thoroughly after handling

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient

Conditions for safe storage (incompatibilities) Keep away from heat/sparks/flames; store tightly closed; incompatible with strong oxidizers

7.3 Specific end use(s)

See Section 1.2.

SECTION 8

Exposure controls / personal protection

8.1 Control parameters

Occupational exposure limits (OEL / WEL) Not applicable

DNEC/PNEC data Not applicable

8.2 Exposure controls

Eye / face protection Chemical splash goggles
Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.

Skin / hand protection Nitrile gloves

Respiratory protection Full-face respirator
Keep self-contained breathing apparatus readily available for emergency use. Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided. Respiratory equipment: Reusable Air-Purifying Respirator (APR). Filter type: ABEK. Standard: EN 14387.

Other protection No data available

Environmental exposure controls No data available

SECTION 9

Physical & chemical properties

9.1 Information on basic physical and chemical properties

Appearance / physical state Powder

DERIVED FROM: LITERATURE

Colour	White to yellow DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	<i>Not applicable</i>
Boiling point	<i>Not applicable</i>
Flammability	<i>No data available</i>
Lower and upper explosion limit	<i>No data available</i>
Flash point	<i>Not applicable</i>
Auto-ignition temperature	<i>Not applicable</i>
Decomposition temperature	<i>No data available</i>
pH	<i>Not applicable</i>
Acidity	Acid DERIVED FROM: LITERATURE
Kinematic viscosity	<i>No data available</i>
Solubility	<i>Not applicable</i>
Partition coefficient n-octanol/water (log value)	<i>Not applicable</i>
Vapour pressure	<i>Not applicable</i>
Density (g/mL)	1.284 g/mL DERIVED FROM: LITERATURE
Relative vapour density	<i>No data available</i>
Particle characteristics	<i>No data available</i>

9.2 Other information

No data available

SECTION 10

Stability & reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Not applicable

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Sparks, open flames, heat, incompatible materials

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

Nitrogen oxides (NO_x), carbon dioxide (CO₂), carbon monoxide (CO)

SECTION 11

Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (LD₅₀ / LC₅₀) *Not applicable*

Skin corrosion / irritation *Not applicable*

Eye corrosion / irritation *Not applicable*

Respiratory / skin sensitisation *Not applicable*

Carcinogenicity *Not applicable*

Mutagenicity *Not applicable*

Reproductive toxicity *Not applicable*

STOT (single / repeated exposure) *Not applicable*

Aspiration hazard *Not applicable*

11.2 Information on other hazards

Not applicable

SECTION 12

Ecological information

12.1 Toxicity

Not applicable

12.2 Persistence and degradability

Not applicable

12.3 Bioaccumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Endocrine disrupting properties

See Section 11.2.

12.7 Other adverse effects

No data available

SECTION 13

Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with local/national regulations

SECTION 14

Transport information

14.1 UN number or ID number

UN1325

14.2 UN proper shipping name

Flammable solid, organic, n.o.s.

14.3 Transport hazard class(es)

4.1



14.4 Packing group

III

14.5 Environmental hazards

no

14.6 Special precautions for user

Special precautions for user Not applicable

Transport category 3

Tunnel code (E)

Packing instruction (ADR) P002

Packing instruction (IMDG) P002

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15

Regulatory information

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

Substance-specific regulations (e.g. licences) *No data available*

REACH code Y110

ECHA notification *Not applicable*

15.2 Chemical safety assessment

Not required

SECTION 16

Other information

Revision notes / other information *Not applicable*

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