

Safety Data Sheet

#12889487 · 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
Pizotifen malate	5189-11-7	C19H21NS.C4H6O5	10	11 Sep 2026

SECTION 1

Identification

1.1 Product identifier

Product name	Pizotifen malate
CAS number	5189-11-7
EC / EINECS number	225-970-4
Chemical formula	C19H21NS.C4H6O5
Molecular weight	429.53
SMILES	<chem>O=C(O)CC(O)C(=O)O.S1C=CC2=C1CCC=3C=CC=CC3C2=C4CCN(C)CC4</chem>

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

Acute Tox. 4; H302
STOT SE 3; H336

2.2 Label elements



WARNING

CODE	HAZARD STATEMENT
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H302	Harmful if swallowed
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H336	May cause drowsiness or dizziness
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CODE	PRECAUTIONARY STATEMENT
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P261	Avoid breathing dust/fume/gas/mist/vapours/spray
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P264	Wash thoroughly after handling
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P270	Do not eat, drink or smoke when using this product
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P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
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P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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P403+P233	Store in a well-ventilated place. Keep container tightly closed
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P501	Dispose of contents/container to an approved waste disposal plant
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2.3 Other hazards

Does not meet PBT or vPvB criteria under REACH Annex XIII. This product does not contain any known or suspected Endocrine disruptors.

SECTION 3

Composition / information on ingredients

3.1 Substances

Name	Pizotifen malate
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CAS number	5189-11-7
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EC number	225-970-4
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Concentration / purity	~100%
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Classification according to Regulation (EC) No 1272/2008	Acute Tox. 4; H302 STOT SE 3; H336
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Hazard statements	H302, H336
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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. If exposed or concerned, get medical advice/attention.
Skin contact	Wash skin with soap and water. If irritation or allergic reactions occur, see a doctor.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a doctor.

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

Inhalation of high vapor concentrations may cause headache, dizziness, tiredness, nausea, and vomiting.

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	Use extinguishing measures appropriate to local circumstances and environment. Water spray may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high-pressure water streams.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulphur oxides (SO_x)

5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

6.2 Environmental precautions

Refer to Section 12 for additional ecological information.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clean contaminated objects and areas thoroughly.

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

Handle with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid breathing vapors or mists. Use respiratory equipment if ventilation is insufficient. Observe good chemical hygiene practices. Keep away from food, drink and animal feeding stuffs.

Wash contaminated skin thoroughly after handling. Do not eat, drink or smoke when using this product. Remove contaminated clothing and launder thoroughly before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Ambient
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Conditions for safe storage (incompatibilities)	Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep out of the reach of children.
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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
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DNEC/PNEC data	Not applicable
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8.2 Exposure controls

Eye / face protection	Safety glasses Wear eye/face protection as recommended. All eye/face protection should comply with EN ISO 16321-1:2022.
Skin / hand protection	Gloves: Nitrile Rubber, 0.11mm (480 mins).
Respiratory protection	Dust mask (FFP2/FFP3) 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	<i>No data available</i>
Environmental exposure controls	<i>No data available</i>

SECTION 9

Physical & chemical properties

9.1 Information on basic physical and chemical properties

Appearance / physical state	Solid DERIVED FROM: LITERATURE
Colour	White to off-white DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	185-190 °C DERIVED FROM: LITERATURE
Boiling point	<i>No data available</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>No data available</i>
Decomposition temperature	<i>No data available</i>
pH	<i>No data available</i>
Acidity	Neutral DERIVED FROM: LITERATURE
Kinematic viscosity	<i>No data available</i>
Solubility	Slightly soluble in DMSO and methanol; water solubility unknown DERIVED FROM: LITERATURE
Partition coefficient n-octanol/water (log value)	3.803 (log Pow, n-octanol/water) DERIVED FROM: LITERATURE
Vapour pressure	<i>No data available</i>

Density (g/mL)	1 g/mL DERIVED FROM: LITERATURE
Relative vapour density	No data available
Particle characteristics	No data available

9.2 Other information

No data available

SECTION 10

Stability & reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions; no known reactivity or hazardous decomposition products.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

See section 5

SECTION 11

Toxicological information

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

Acute toxicity (LD50 / LC50) Harmful if swallowed; may cause drowsiness or dizziness by inhalation.

Skin corrosion / irritation No classification criteria met for skin corrosion/irritation.

Eye corrosion / irritation No classification criteria met for eye corrosion/irritation.

Respiratory / skin sensitisation No classification criteria met for respiratory/skin sensitisation.

Carcinogenicity No classification criteria met for carcinogenicity.

Mutagenicity No classification criteria met for mutagenicity.

Reproductive toxicity No classification criteria met for reproductive toxicity.

STOT (single / repeated exposure) May cause drowsiness or dizziness (single exposure). No criteria met for repeated exposure.

Aspiration hazard No classification criteria met.

11.2 Information on other hazards

No classification criteria met for endocrine disruption.

SECTION 12

Ecological information

12.1 Toxicity

Not regarded as dangerous for the environment

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

Does not meet PBT/vPvB criteria under REACH Annex XIII.

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 residues/unused product and contaminated packaging in accordance with local/environmental regulations. Do not reuse empty containers.

SECTION 14

Transport information

14.1 UN number or ID number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Special precautions for user *Not applicable*

Transport category *Not applicable*

Tunnel code *Not applicable*

Packing instruction (ADR) *Not applicable*

Packing instruction (IMDG) *Not applicable*

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

No

SECTION 16

Other information

Revision notes / other information First version 11.09.2026.

This Safety Data Sheet was generated automatically from the data Molekula holds against this product, in the 16-section GHS/CLP format. Fields shown as "No data available" carry no recorded value; fields shown as "Not applicable" were assessed as not relevant to this substance. For queries, contact Molekula at info@molekula.com.