

Safety Data Sheet

#21259089 · 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
Salicylaldoxime	94-67-7	2-(HO)C6H4CH=NOH	10	10 Sep 2026

SECTION 1

Identification

1.1 Product identifier

Product name Salicylaldoxime

CAS number 94-67-7

EC / EINECS number 202-353-8

Chemical formula 2-(HO)C6H4CH=NOH

Molecular weight 137.14

SMILES ON=CC=1C=CC=CC1O

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

2.2 Label elements



WARNING

CODE	HAZARD STATEMENT
------	------------------

H302	Harmful if swallowed
------	----------------------

H315	Causes skin irritation
------	------------------------

H319	Causes serious eye irritation
------	-------------------------------

H335	May cause respiratory irritation
------	----------------------------------

CODE	PRECAUTIONARY STATEMENT
------	-------------------------

P260	Do not breathe dust/fume/gas/mist/vapours/spray
------	---

P280	Wear protective gloves/protective clothing/eye protection/face protection
------	---

P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
----------	--

P303+361	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse with water/shower
----------	---

P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
----------	---

P305+351+338	IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
--------------	---

2.3 Other hazards

Not applicable

SECTION 3

Composition / information on ingredients

3.1 Substances

Name	Salicylaldoxime
------	-----------------

CAS number	94-67-7
------------	---------

EC number	202-353-8
-----------	-----------

Concentration / purity	~100%
------------------------	-------

Classification according to Regulation (EC) No 1272/2008	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335
--	--

Hazard statements	H302, H315, H319, H335
-------------------	------------------------

Acute toxicity estimate (ATE)	<i>No data available</i>
-------------------------------	--------------------------

Impurities / stabilising additives	<i>Not applicable</i>
------------------------------------	-----------------------

SECTION 4

First-aid measures

4.1 Description of first aid measures

Inhalation	Move to fresh air, keep warm and at rest. Loosen tight clothing. Seek medical attention if symptoms persist.
Skin contact	Rinse with water.
Eye contact	Remove contact lenses, rinse with water, seek medical attention if discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Seek medical advice if unwell. Do not induce vomiting unless directed by medical personnel.

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 Water Foam Carbon dioxide (CO2) Dry powder

Unsuitable extinguishing media No specific firefighting procedure given

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Combustible.
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Use SCBA and protective clothing. Cool containers with water spray. Evacuate area and disperse vapours with water spray if non-ignited.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6.2 Environmental precautions

Prevent discharge into drains, watercourses, or ground

6.3 Methods and material for containment and cleaning up

Clear spills immediately, dispose safely, flush contaminated area with water. Wash thoroughly after cleanup.

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

Wear protective clothing, avoid food/drink contamination, wash skin promptly if contaminated.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient

Conditions for safe storage (incompatibilities) Store in original container, tightly closed, in a cool, well-ventilated place. Keep away from strong acids.

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 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 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	Solid DERIVED FROM: LITERATURE
Colour	White to off-white DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	57-61°C DERIVED FROM: LITERATURE
Boiling point	Not applicable
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	132 °C DERIVED FROM: LITERATURE
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
pH	Not applicable
Acidity	Neutral DERIVED FROM: LITERATURE
Kinematic viscosity	No data available
Solubility	Not applicable
Partition coefficient n-octanol/water (log value)	Not applicable
Vapour pressure	Not applicable
Density (g/mL)	1.42 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

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

The product is chemically stable under the recommended storage conditions.

10.5 Incompatible materials

Strong acids.

Violent reactions possible with: Strong oxidizing agents

10.6 Hazardous decomposition products

Harmful gases (CO, CO₂, nitrogen oxides) on thermal decomposition or combustion. See section 5

SECTION 11

Toxicological information

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

Acute toxicity (LD ₅₀ / LC ₅₀)	Acute toxicity estimate Oral - 500.1 mg/kg
---	--

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

This product does not contain any known or suspected endocrine disruptors.

SECTION 12

Ecological information

12.1 Toxicity

Toxicity to fish LC₅₀ - Pimephales promelas (fathead minnow) - 3.23 mg/l - 96 h

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

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

Not required

SECTION 16

Other information

Revision notes / other information This SDS replaces v2 issued: 30.03.2022

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.