

Safety Data Sheet

#27215046 · 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
4-Aminosalicylic acid	65-49-6	C7H7NO3	10	15 Sep 2026

SECTION 1

Identification

Product name	4-Aminosalicylic acid
CAS number	65-49-6
Chemical formula	C7H7NO3
Molecular weight	153.14
SMILES	<chem>C1=CC(=C(C=C1N)O)C(=O)O</chem>
EC / EINECS number	200-613-5
Recommended use & restrictions	For research and development. Laboratory chemicals. Manufacture of substances. Not suitable for human or veterinary purposes.
Emergency telephone	0344 892 0111 — National Poisons Information Service (NPIS) (United Kingdom — for healthcare professionals (via TOXBASE))

SECTION 2

Hazard identification



WARNING

CODE	HAZARD STATEMENT
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
CODE	PRECAUTIONARY STATEMENT
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+P350	IF ON SKIN: Gently wash with soap and water
P304+P341	IF INHALED: If breathing is difficult, 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
P308+P313	IF exposed or concerned: Get medical advice/attention
Other hazards (e.g. PBT / vPvB, not classified)	Not applicable

SECTION 3

Composition / information on ingredients

Purity / concentration	~100%
Impurities / stabilising additives	Not applicable

SECTION 4

First-aid measures

Inhalation	Remove to fresh air; give oxygen/artificial respiration if breathing difficulties persist. Seek medical attention if symptoms continue.
Skin contact	Remove contaminated clothing (unless stuck to skin); wash immediately with plenty of water. Consult doctor if irritation persists.
Eye contact	Rinse immediately with water for at least 15 minutes. Remove contact lenses if possible. Seek medical attention if irritation persists.
Ingestion	Rinse mouth; do not induce vomiting. Seek medical attention immediately.
Symptoms / effects & medical attention	Treat symptomatically.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Foam, dry powder, carbon dioxide, water spray, sand
Unsuitable extinguishing media	No specific firefighting procedure given
Special hazards	Emits carbon oxides (CO, CO ₂) and nitrogen oxides when heated
Advice for firefighters	Cool exposed containers with water spray; prevent fire-fighting water from entering the environment. Use proper protective equipment.

SECTION 6

Accidental release measures

Personal precautions & PPE	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Prevent entry into sewers or public waters; notify authorities if contamination occurs.
Containment & clean-up methods	Sweep/shovel into sealed containers for disposal. Ventilate area thoroughly.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	Avoid dust; use local exhaust or general ventilation. Wash hands before breaks and after handling.
Conditions for safe storage (incompatibilities)	Store in original container, cool, well-ventilated, away from heat, direct sunlight, and ignition sources. Light-sensitive; Air sensitive. handle and store under inert gas.

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL)	<i>Not applicable</i>
DNEC/PNEC data	<i>Not applicable</i>
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	Half-mask with filter 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.

SECTION 9

Physical & chemical properties

Density (g/mL)	Not applicable
Flash point	Not applicable
Acidity	Not applicable
Appearance / physical state	Solid DERIVED FROM: LITERATURE
Colour	White to off-white DERIVED FROM: LITERATURE
Odour	Odourless DERIVED FROM: LITERATURE
Melting / freezing point	147 - 151 °C DERIVED FROM: LITERATURE
Boiling point	Not applicable
Solubility (water)	2 g/L (20°C) DERIVED FROM: LITERATURE
pH	3.5 DERIVED FROM: LITERATURE
Vapour pressure	0.0000003 kPa at 25 °C DERIVED FROM: LITERATURE
Partition coefficient (log Pow)	log Pow: 0.685 DERIVED FROM: LITERATURE
Auto-ignition / decomposition temp	Not applicable

SECTION 10

Stability & reactivity

Chemical stability / reactivity	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
Conditions to avoid	Heat, direct sunlight, ignition sources, air contact
Incompatible materials	Strong oxidizing agents, sources of ignition, air contact, direct sunlight
Hazardous decomposition products	Carbon oxides (CO, CO ₂) and nitrogen oxides

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	LD50 Oral - Mouse - 4,000 mg/kg
Skin corrosion / irritation	<i>Not applicable</i>
Eye corrosion / irritation	<i>Not applicable</i>
Respiratory / skin sensitisation	<i>Not applicable</i>
Carcinogenicity	<i>Not applicable</i>
Mutagenicity	<i>Not applicable</i>
Reproductive toxicity	<i>Not applicable</i>
STOT (single / repeated exposure)	<i>Not applicable</i>
Aspiration hazard	<i>Not applicable</i>
Endocrine disruptors	This product does not contain any known or suspected endocrine disruptors.

SECTION 12

Ecological information

Aquatic toxicity	<i>Not applicable</i>
Persistence & degradability	Soluble in water, Persistence is unlikely, based on information available.
Bioaccumulative potential	Bioaccumulation is unlikely
Mobility in soil	The product is water soluble, and may spread in water systems Will likely be mobile in the environment due to its water solubility. Highly mobile in soils
PBT / vPvB assessment	<i>Not applicable</i>

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose of in accordance with local/national regulations
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SECTION 14

Transport information

UN number	Not applicable
Proper shipping name	Not applicable
Class	Not applicable
Packing group	Not applicable
Transport category	Not applicable
Tunnel code	Not applicable
Packing instruction (ADR)	Not applicable
Packing instruction (IMDG)	Not applicable
Environmental hazards	Not applicable
Special precautions for user	Not applicable

SECTION 15

Regulatory information

REACH code	Y110
UFI code	Not applicable
ECHA notification	Not applicable
Chemical safety assessment carried out?	Not required

SECTION 16

Other information

Revision notes / other information	This SDS replaces v1 Issued: Date of issue: 7/19/2019
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