Safety Data Sheet

#13899923 · Full 16-section SDS

According to Regulation (EC) No 1907/2006
According to Regulation (EC) No 2020/878

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PRODUCT	CAS NUMBER	FORMULA	VERSION	REVISION DATE
p-Anisic acid	**100-09-4**	**CH3OC6H4COOH**	**10**	**09 Aug 2026**

SECTION 1

Identification

Product name	p-Anisic acid
CAS number	100-09-4
Chemical formula	CH3OC6H4COOH
Molecular weight	152.15
SMILES	O=C(O)C1=CC=C(OC)C=C1
EC / EINECS number	202-818-5
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
H302	Harmful if swallowed
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
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+352	IF ON SKIN: Wash with soap and water
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

Other hazards (e.g. PBT / vPvB, not classified)	Does not contain components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB). Does not contain components considered to have endocrine-disrupting properties

SECTION 3

Composition / information on ingredients

Purity / concentration	~100.0%
Impurities / stabilising additives	*Not applicable*

SECTION 4

First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.
Eye contact	Remove contact lenses if present. Rinse eyes with water. If eye irritation persists: get medical advice/attention.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Do not induce vomiting.
Symptoms / effects & medical attention	Treat symptomatically.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards	Combustible. Carbon Monoxide (CO) Carbon Dioxide (CO2) Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours is possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6

Accidental release measures

Personal precautions & PPE	Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. For personal protection, see section 8.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Containment & clean-up methods	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	For precautions see section 2.2. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Keep containers tightly closed. Immediate first aid is necessary. Wear protective clothing, gloves, eye and face protection. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid ingestion and inhalation. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Do not reuse empty containers. General hygiene - Observe good chemical hygiene practices. Remove contaminated clothing immediately and wash skin with soap and water. Remove contaminated clothing and launder thoroughly before re-use. Wash skin thoroughly after handling.
Conditions for safe storage (incompatibilities)	Store at ambient temperature. Store in a dry place. Store in a closed container. Storage class: 11

SECTION 8

Exposure controls / personal protection

Occupational exposure limits (OEL / WEL)	*Not applicable*
DNEC/PNEC data	*Not applicable*
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	Recommended gloves: Nitrile gloves Thickness: 0.11mm. Breakthrough time: 480mins.
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.

SECTION 9

Physical & chemical properties

Density (g/mL)	1.385 g/mL DERIVED FROM: LITERATURE
Flash point	185 °C DERIVED FROM: LITERATURE
Acidity	Acid DERIVED FROM: LITERATURE
Appearance / physical state	Powder DERIVED FROM: LITERATURE
Colour	White DERIVED FROM: LITERATURE
Odour	Odourless DERIVED FROM: LITERATURE
Melting / freezing point	182 - 185 °C DERIVED FROM: LITERATURE
Boiling point	286 °C DERIVED FROM: LITERATURE
Solubility (water)	slightly soluble, DMSO, Ethyl acetate DERIVED FROM: LITERATURE
pH	3.0 - 4.0 DERIVED FROM: LITERATURE
Vapour pressure	0.000 hPa at 25 °C DERIVED FROM: LITERATURE
Partition coefficient (log Pow)	No data available. DERIVED FROM: LITERATURE
Auto-ignition / decomposition temp	250 °C DERIVED FROM: LITERATURE

SECTION 10

Stability & reactivity

Chemical stability / reactivity	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. 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	The product is chemically stable under the recommended storage conditions. Violent reactions possible: Strong oxidizing agents Acids Aluminium (Al) Lead (Pb) Zinc (Zn) Tin (Sn). Avoid Excessive heat.
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	LD50 Oral - Rat - male - > 5,000 mg/kg Inhalation: Irritating to respiratory system. Dermal: No data available
Skin corrosion / irritation	Causes skin irritation (Skin Irrit. 2).
Eye corrosion / irritation	Causes serious eye irritation (Eye Irrit. 2).
Respiratory / skin sensitisation	Not classified. No data available
Carcinogenicity	Test system: Chinese hamster lung cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative (Lit.) Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative (Lit.) Test Type: Micronucleus test Test system: Human lymphocytes Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 487 Result: negative (Lit.)
Mutagenicity	*Not applicable*
Reproductive toxicity	*Not applicable*
STOT (single / repeated exposure)	May cause respiratory irritation (STOT SE 3).
Aspiration hazard	Not classified
Endocrine disruptors	Substance is not considered an endocrine disruptor.

SECTION 12

Ecological information

Aquatic toxicity	Fish LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (Lit.) Daphnia EC50 - Daphnia magna (Water flea) - 943 mg/l - 48 h (Lit.) Algae ErC50 - Pseudokirchneriella subcapitata - > 320 mg/l - 72 h (Lit.) NOEC - Pseudokirchneriella subcapitata - 32 mg/l - 72 h (Lit.) Bacteria NOEC - activated sludge - 102.7 mg/l - 14 Days (Lit.)
Persistence & degradability	Aerobic - Exposure time 28 d Result: 89 % = Readily biodegradable.
Bioaccumulative potential	Not specified
Mobility in soil	Not specified
PBT / vPvB assessment	Not classified as PBT or vPvB.

SECTION 13

Disposal considerations

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

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 applicable*

SECTION 16

Other information

Revision notes / other information	*Not applicable*

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.