

Safety Data Sheet

#73404415 · 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
3-(3-Hydroxyphenyl)propionic acid	621-54-5	C9H10O3	10	17 Aug 2026

SECTION 1

Identification

Product name	3-(3-Hydroxyphenyl)propionic acid
CAS number	621-54-5
Chemical formula	C9H10O3
Molecular weight	166.17
SMILES	<chem>O=C(O)CCC=1C=CC=C(O)C1</chem>
EC / EINECS number	210-692-8
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+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
P308+P313	IF exposed or concerned: Get medical advice/attention
Other hazards (e.g. PBT / vPvB, not classified)	This substance is not classified as PBT or vPvB according to current UK criteria.

SECTION 3

Composition / information on ingredients

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

SECTION 4

First-aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing; get medical attention.
Skin contact	Rinse with water.
Eye contact	Rinse with water, do not rub eye, remove contact lenses and open eyelids wide apart; get medical attention if discomfort continues.
Ingestion	Rinse mouth thoroughly with water, give a few small glasses of water or milk to drink; get medical attention if symptoms are severe or persist.
Symptoms / effects & medical attention	Treat symptomatically

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	No specific firefighting procedure given
Special hazards	Harmful gases or vapours, carbon dioxide, carbon monoxide.
Advice for firefighters	Wear positive-pressure self-contained breathing apparatus and appropriate protective clothing.

SECTION 6

Accidental release measures

Personal precautions & PPE	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
Containment & clean-up methods	Collect spillage with a shovel and broom, place in suitable waste disposal containers, flush contaminated area with water.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	Read and follow manufacturer's recommendations, keep away from food, drink and animal feeding stuffs, keep container tightly sealed.
Conditions for safe storage (incompatibilities)	Store locked up, keep in original container, keep tightly closed in a cool, well-ventilated place, store under argon.

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	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)	1.26 g/mL DERIVED FROM: LITERATURE
Flash point	Not applicable
Acidity	Neutral DERIVED FROM: LITERATURE
Appearance / physical state	Crystalline solid DERIVED FROM: LITERATURE
Colour	Off-white. Light (or pale). Brown. DERIVED FROM: LITERATURE
Odour	Not known DERIVED FROM: LITERATURE
Melting / freezing point	110-112°C/230-233.6°F DERIVED FROM: LITERATURE
Boiling point	Not applicable
Solubility (water)	Slightly soluble in the following materials: DMSO, Methanol. DERIVED FROM: LITERATURE
pH	Not applicable
Vapour pressure	Not applicable
Partition coefficient (log Pow)	1.144 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	None known.
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	Thermal decomposition or combustion products may include harmful gases or vapours, carbon dioxide, carbon monoxide. See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	Harmful if swallowed.
Skin corrosion / irritation	Irritating to skin.
Eye corrosion / irritation	Irritating to eyes.
Respiratory / skin sensitisation	<i>No data available</i>
Carcinogenicity	<i>No data available</i>
Mutagenicity	<i>No data available</i>
Reproductive toxicity	<i>No data available</i>
STOT (single / repeated exposure)	May cause respiratory irritation.
Aspiration hazard	<i>No data available</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	<i>Not applicable</i>
Bioaccumulative potential	<i>Not applicable</i>
Mobility in soil	<i>Not applicable</i>
PBT / vPvB assessment	<i>Not applicable</i>

SECTION 13

Disposal considerations

Waste treatment / disposal methods	Dispose of contents/container in accordance with 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 no

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 Version number: 1 Issued:04.10.2022

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