

Safety Data Sheet

#50692579 · 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
Bufexamac	2438-72-4	C12H17NO3	10	13 Aug 2026

SECTION 1

Identification

Product name	Bufexamac
CAS number	2438-72-4
Chemical formula	C12H17NO3
Molecular weight	223.27
SMILES	<chem>CCCCOC1=CC=C(CC(=O)NO)C=C1</chem>
EC / EINECS number	219-451-1
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
H317	May cause an allergic skin reaction
H362	May cause harm to breast-fed children
CODE	PRECAUTIONARY STATEMENT
P201	Obtain special instructions before use
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P263	Avoid contact during pregnancy/while nursing
P280	Wear protective gloves/protective clothing/eye protection/face protection
Other hazards (e.g. PBT / vPvB, not classified)	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII. 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	Remove to fresh air.
Skin contact	Wash with soap and water. In the case of skin irritation or allergic reactions 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	Rinse mouth.
Symptoms / effects & medical attention	Itching. Rashes. Hives. Treat symptomatically.

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams. Carbon monoxide (CO) Carbon dioxides (CO ₂) Nitrogen oxides (NO _x)
Special hazards	Product is or contains a sensitiser. May cause sensitisation by skin contact.
Advice for firefighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6

Accidental release measures

Personal precautions & PPE	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.
Environmental precautions	See Section 12 for additional Ecological Information. Avoid discharge into drains, water courses or onto the ground.
Containment & clean-up methods	Collect spillage with shovel, broom or the like.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	2 to 8 °C
Precautions for safe handling	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.
Conditions for safe storage (incompatibilities)	Store only in the original receptacle; keep containers tightly closed in a dry, cool and well-ventilated place. Storage class (TRGS 510): 13: Non Combustible Solids

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 Wear suitable protective clothing and butyl rubber gloves.

Respiratory protection Not required
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 g/mL
DERIVED FROM: LITERATURE

Flash point *Not applicable*

Acidity Acid
DERIVED FROM: LITERATURE

Appearance / physical state Solid
DERIVED FROM: LITERATURE

Colour white
DERIVED FROM: LITERATURE

Odour Not known
DERIVED FROM: LITERATURE

Melting / freezing point > 171 °C
DERIVED FROM: LITERATURE

Boiling point *No data available*

Solubility (water) Immiscible in water >33.5 ug/mL
DERIVED FROM: LITERATURE

pH No data available
DERIVED FROM: LITERATURE

Vapour pressure *No data available*

Partition coefficient (log Pow) *No data available*

Auto-ignition / decomposition temp *No data available*

SECTION 10

Stability & reactivity

Chemical stability / reactivity Stable under normal conditions.

Conditions to avoid None known.

Incompatible materials Strong oxidising agents

Hazardous decomposition products See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50) Oral LD50 (Rat): 3370 mg/kg
LD50 Dermal - Rat - > 5.000 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Gastrointestinal disturbance Skin and Appendages: Other: Hair.

Skin corrosion / irritation May cause an allergic skin reaction.
Skin - Rabbit Result: Mild skin irritation - 30 h

Eye corrosion / irritation May cause eye irritation

Respiratory / skin sensitisation May cause sensitisation by skin contact.

Carcinogenicity *No data available*

Mutagenicity Test: Histidine reversion (Ames)
Species: Hamster (ovary)
Remarks: Sister chromatid exchange
Result: Equivocal evidence.

Reproductive toxicity May cause harm to breast-fed children.

STOT (single / repeated exposure) *No data available*

Aspiration hazard *No data available*

Endocrine disruptors The substance/mixture does not contain components considered to have endocrine disrupting properties

SECTION 12

Ecological information

Aquatic toxicity *No data available*

Persistence & degradability *No data available*

Bioaccumulative potential *No data available*

Mobility in soil *No data available*

PBT / vPvB assessment This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

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 None

SECTION 15

Regulatory information

REACH code Y110

UFI code *Not applicable*

ECHA notification *Not applicable*

Chemical safety assessment carried out? No

SECTION 16

Other information

Revision notes / other information

This MSDS version (10) replaces version 1 (30/9/2019)

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