

Safety Data Sheet

#18625462 · 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
1-Bromotetradecane ≥98%	112-71-0	CH₃(CH₂)₁₃Br	10	27 Aug 2026

SECTION 1

Identification

Product name	1-Bromotetradecane
CAS number	112-71-0
Chemical formula	CH ₃ (CH ₂) ₁₃ Br
Molecular weight	277.28
SMILES	CCCCCCCCCCCCCCCCBr
EC / EINECS number	203-999-3
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
CODE	PRECAUTIONARY STATEMENT
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302+350	IF ON SKIN: Gently wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously 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 from exposure, lie down. Remove to fresh air. If not breathing, give artificial respiration.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If possible drink milk afterwards.
Symptoms / effects & medical attention	Treat symptomatically

SECTION 5

Fire-fighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Dry chemical. Alcohol resistant foam.
Unsuitable extinguishing media	No specific firefighting procedure given
Special hazards	Carbon oxides, Hydrogen bromide gas Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6

Accidental release measures

Personal precautions & PPE	Advice for non-emergency personnel: Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Containment & clean-up methods	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

For specific precautions, see Section 8 and Section 13.

SECTION 7

Handling & storage

Storage temperature	Ambient
Precautions for safe handling	Avoid contact with skin and eyes. Avoid contact with skin and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid breathing vapors or mists. Do not ingest. If swallowed then seek immediate medical assistance. Wash thoroughly after handling.
Conditions for safe storage (incompatibilities)	Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

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 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) 0.932 g/mL
DERIVED FROM: LITERATURE

Flash point 113 °C
DERIVED FROM: LITERATURE

Acidity Neutral
DERIVED FROM: LITERATURE

Appearance / physical state Liquid
DERIVED FROM: LITERATURE

Colour Yellow
DERIVED FROM: LITERATURE

Odour Odourless
DERIVED FROM: LITERATURE

Melting / freezing point 5 - 6 °C / 41 - 42.8 °F
DERIVED FROM: LITERATURE

Boiling point 175 - 178 °C / 347 - 352.4 °F @ 20 mmHg
DERIVED FROM: LITERATURE

Solubility (water) Insoluble in water
DERIVED FROM: LITERATURE

pH *Not applicable*

Vapour pressure *Not applicable*

Partition coefficient (log Pow) *Not applicable*

Auto-ignition / decomposition temp *Not applicable*

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.
Conditions to avoid	Heating
Incompatible materials	Strong oxidizing agents, Strong bases.
Hazardous decomposition products	See section 5

SECTION 11

Toxicological information

Acute toxicity (LD50 / LC50)	<i>Not applicable</i>
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	<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 in accordance with local 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	Not applicable
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