

Safety data sheet according to UK REACH

Printing 29.01.2025

version number 9 (replaces version 8)

Revision: 29.01.2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking

*1.1 Product identifier

***Trade name:** MELTING POINT STANDARD PHENACETIN 134 °C to 136 °C

***Article number:** BMP1321

***CAS Number:**

62-44-2

***EC number:**

200-533-0

*Registration number

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

*1.2 Relevant identified uses of the substance or mixture and uses advised against

***Product category** For experiments, research, or testing purposes only. Prohibited of use for other purposes.

***Application of the substance / the mixture** Laboratory Chemicals

*1.3 Details of the supplier of the safety data sheet

***Manufacturer/Supplier:** See Below

*Manufacturer:

Reagecon Diagnostics Ltd.
Shannon Free Zone,
Shannon,
Co. Clare,
Ireland.
Tel +353 61 472622
Fax +353 61 472642

*Supplier:

BÜCHI Labortechnik AG
Meierseggsstrasse 40
CH - 9230 Flawil
Telephone: +41 71 394 63 63
FAX: +41 71 394 65 65
Email: buchi@buchi.com
Internet: www.buchi.com

***Further information obtainable by contacting:** sds@reagecon.ie

*1.4 Emergency telephone number:

National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

For Hazardous Materials [or Dangerous Goods] Incident

Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC

For Ireland call +(353)-19014670

For Outside Ireland call +1 703-741-5970 / 1-800-424-9300 CCN849800

SECTION 2: Hazards identification

*2.1 Classification of the substance or mixture

***Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc. 1A H350 May cause cancer.



GHS07

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Acute Tox. 4 H302 Harmful if swallowed.

*2.2 Label elements

*Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the GB CLP regulation.

*Hazard pictograms



GHS07 GHS08

*Signal word Danger

*Hazard-determining components of labelling:

phenacetin

*Hazard statements

H302 Harmful if swallowed.

H350 May cause cancer.

*Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

*2.3 Other hazards

*Results of PBT and vPvB assessment

*PBT: Not applicable.

*vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

*3.1 Substances

*CAS No. Description

CAS: 62-44-2 phenacetin

*Identification number(s)

*EC number: 200-533-0

SECTION 4: First aid measures

*4.1 Description of first aid measures

*General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

*After inhalation:

Provide fresh air, warmth and rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Obtain medical attention if any discomfort continues.

*After skin contact: Generally the product does not irritate the skin.

*After eye contact:

Promptly wash eyes with plenty of water for up to 15 minutes. Open eyes wide apart and rinse well to remove any contact lenses. Do not remove contact lenses by hand. Continue to rinse. Get medical attention if symptoms persist.

*After swallowing:

Do not induce vomiting; call for medical help immediately. Rinse mouth thoroughly with water and give large amounts of water to drink. Never give anything by mouth to an unconscious person.

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- *4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- *4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- *5.1 Extinguishing media**
***Suitable extinguishing agents:**
Indications shall be given whether any extinguishing media are inappropriate for a particular situation involving the substance or mixture
Use fire extinguishing methods suitable to surrounding conditions.
- *5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- *5.3 Advice for firefighters**
***Protective equipment:**
Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers

SECTION 6: Accidental release measures

- *6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment as described in Section 8 below. Keep unprotected persons away.
- *6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- *6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
- *6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- *7.1 Precautions for safe handling** Open and handle receptacle with care.
- *Information about fire - and explosion protection:** Keep respiratory protective device available.
- *7.2 Conditions for safe storage, including any incompatibilities**
***Storage:**
***Requirements to be met by storerooms and receptacles:** No special requirements.
***Information about storage in one common storage facility:** Not required.
***Further information about storage conditions:** None.
- *7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- *8.1 Control parameters**
***Ingredients with limit values that require monitoring at the workplace:** Not required.
***Additional information:** The lists valid during the making were used as basis.
- *8.2 Exposure controls**
***Appropriate engineering controls** No further data; see section 7.
***Individual protection measures, such as personal protective equipment**
***General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.

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Store protective clothing separately.

***Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Where risk assessment shows air-purifying respirators are appropriate use a respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges as back up to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

***Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Always ensure that gloves are inspected before use.

Selection of protective gloves must include consideration of the penetration times along with rates of diffusion and degradation. The selected glove should comply with the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it.

***Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

***Penetration time of glove material**

In the absence of data above, the exact break through time has to be sourced from the manufacturer of the protective gloves and has to be observed.

***Eye/face protection**



Tightly sealed goggles: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

SECTION 9: Physical and chemical properties

***9.1 Information on basic physical and chemical properties**

***General Information**

***Physical state**

Liquid

***Colour:**

White

***Odour:**

Characteristic

***Odour threshold:**

Not determined.

***Melting point/freezing point:**

134-136 °C

***Boiling point or initial boiling point and boiling range**

Undetermined.

***Flammability**

Product is not flammable.

***Lower and upper explosion limit**

***Lower:**

Not determined.

***Upper:**

Not determined.

***Flash point:**

Not applicable.

***Decomposition temperature:**

Not determined.

***pH**

Not applicable.

***Viscosity:**

***Kinematic viscosity**

Not applicable.

***Dynamic:**

Not applicable.

***Solubility**

***water:**

Insoluble.

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*Partition coefficient n-octanol/water (log value)	Not determined.
*Vapour pressure:	Not applicable.
*Density and/or relative density	
*Density:	Not determined.
*Relative density	Not determined.
*Vapour density	Not applicable.
*Particle characteristics	Not applicable.
*9.2 Other information	
*Appearance:	
*Form:	Crystalline
*Important information on protection of health and environment, and on safety.	
*Ignition temperature:	Not determined.
*Explosive properties:	Product does not present an explosion hazard.
*Molecular weight	179.22 g/mol
*Change in condition	
*Evaporation rate	Not applicable.
*Information with regard to physical hazard classes	
*Explosives	Void
*Flammable gases	Void
*Aerosols	Void
*Oxidising gases	Void
*Gases under pressure	Void
*Flammable liquids	Void
*Flammable solids	Void
*Self-reactive substances and mixtures	Void
*Pyrophoric liquids	Void
*Pyrophoric solids	Void
*Self-heating substances and mixtures	Void
*Substances and mixtures, which emit flammable gases in contact with water	Void
*Oxidising liquids	Void
*Oxidising solids	Void
*Organic peroxides	Void
*Corrosive to metals	Void
*Desensitised explosives	Void

SECTION 10: Stability and reactivity

- *10.1 Reactivity No further relevant information available.
- *10.2 Chemical stability
- *Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- *10.3 Possibility of hazardous reactions No dangerous reactions known.
- *10.4 Conditions to avoid No further relevant information available.
- *10.5 Incompatible materials: No further relevant information available.
- *10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- *11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- *Acute toxicity Harmful if swallowed.

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***LD/LC50 values relevant for classification:**

CAS: 62-44-2 phenacetin

Oral LD50 1,650 mg/kg (rat)

***Carcinogenicity** May cause cancer.

***11.2 Information on other hazards**

***Endocrine disrupting properties**

Substance is not listed.

SECTION 12: Ecological information

***12.1 Toxicity**

***Aquatic toxicity:** No further relevant information available.

***12.2 Persistence and degradability** No further relevant information available.

***12.3 Bioaccumulative potential** No further relevant information available.

***12.4 Mobility in soil** No further relevant information available.

***12.5 Results of PBT and vPvB assessment**

***PBT:** Not applicable.

***vPvB:** Not applicable.

***12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

***12.7 Other adverse effects**

***Additional ecological information:**

***General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

***13.1 Waste treatment methods**

***Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

***Uncleaned packaging:**

***Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

***14.1 UN number or ID number**

***ADR, IMDG, IATA** Void

***14.2 UN proper shipping name**

***ADR** Void

Void

***IMDG, IATA**

Void

***14.3 Transport hazard class(es)**

***ADR, IMDG, IATA**

***Class** Void

***14.4 Packing group**

***ADR, IMDG, IATA** Void

***14.5 Environmental hazards:**

Not applicable.

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*14.6 Special precautions for user	Not applicable.
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*14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
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*UN "Model Regulation":	Void
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SECTION 15: Regulatory information

***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
***Poisons Act**
***Regulated explosives precursors**

Substance is not listed.

***Regulated poisons**

Substance is not listed.

***Reportable explosives precursors**

Substance is not listed.

***Reportable poisons**

Substance is not listed.

***Directive 2012/18/EU**
***Named dangerous substances - ANNEX I** Substance is not listed.

***National regulations:**
***Information about limitation of use:**

Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.

***Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

***15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Department issuing SDS:** Health and Safety

***Contact:** sds@reagecon.ie

***Abbreviations and acronyms:**

UK REACH (Registration, Evaluation, Authorisation and restriction of Chemicals)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Carc. 1A: Carcinogenicity – Category 1A

***NO**