

1 Identification

***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

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

***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

***Information department:** sds@reagecon.ie

***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

2 Hazard identification

***Classification of the substance or mixture**



GHS08 Health hazard

Carcinogenicity - Category 1A H350 May cause cancer.



GHS07

Acute Toxicity (Oral) - Category 4 H302 Harmful if swallowed.

***Label elements**

***GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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

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***Hazard pictograms**



GHS07 GHS08

***Signal word** *Danger*

***Hazard-determining components of labeling:**

phenacetin

***Hazard statements**

Harmful if swallowed.

May cause cancer.

***Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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

If swallowed: Call a poison center/doctor if you feel unwell.

Rinse mouth.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

***Classification system:**

***NFPA ratings (scale 0-4)**



Health = 1

Fire = 0

Reactivity = 0

3 Composition/Information on ingredients

***Chemical characterization: Substances**

***CAS No. Description**

CAS: 62-44-2 phenacetin

***Identification number(s)**

***EC number: 200-533-0**

4 First-aid measures

***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:** *Supply fresh air; consult doctor in case of complaints.*

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

***After eye contact:** *Rinse opened eye for several minutes under running water.*

***After swallowing:** *Do not induce vomiting; immediately call for medical help.*

***Information for doctor:**

***Most important symptoms and effects, both acute and delayed** *No further relevant information available.*

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***Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- *Extinguishing media**
- *Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- *Special hazards arising from the substance or mixture** No further relevant information available.
- *Advice for firefighters**
- *Protective equipment:** No special measures required.

6 Accidental release measures

- *Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- *Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
- *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.

7 Handling and storage

- *Handling:**
- *Precautions for safe handling** Open and handle receptacle with care.
- *Information about protection against explosions and fires:** Keep respiratory protective device available.
- *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.
- *Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- *Additional information about design of technical systems:** No further data; see section 7.
- *Control parameters**
- *Components with limit values that require monitoring at the workplace:** Not required.
- *Additional information:** The lists that were valid during the creation were used as basis.
- *Exposure controls**
- *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.
Store protective clothing separately.
- *Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Suitable respiratory protective device recommended.

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***Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

***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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

***Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

***Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information*****Appearance:**

Form: Crystalline

Color: White

***Odor:** Characteristic

***Odor threshold:** Not determined.

***pH-value:** Not applicable.

***Change in condition**

Melting point/Melting range: 134-136 °C

Boiling point/Boiling range: Undetermined.

***Flash point:** Not applicable.

***Flammability:** Product is not flammable.

***Decomposition temperature:** Not determined.

***Ignition temperature:** Not determined.

***Danger of explosion:** Product does not present an explosion hazard.

***Explosion limits:**

Lower: Not determined.

Upper: Not determined.

***Vapor pressure:** Not applicable.

***Density:** Not determined.

***Relative density** Not determined.

***Vapor density** Not applicable.

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*Evaporation rate	Not applicable.
*Solubility in / Miscibility with Water:	Insoluble.
*Partition coefficient (n-octanol/water):	Not determined.
*Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solids content:	100.0 %
*Other information	No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

***Information on toxicological effects**

***Acute toxicity:**

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

CAS: 62-44-2 phenacetin

Oral	LD50	1,650 mg/kg (rat)
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***Primary irritant effect:**

***on the skin:** No irritant effect.

***on the eye:** No irritating effect.

***Sensitization:** No sensitizing effects known.

***Additional toxicological information:**

***Carcinogenic categories**

***IARC (International Agency for Research on Cancer)**

I

***NTP (National Toxicology Program)**

R

12 Ecological information

***Toxicity**

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

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

***Behavior in environmental systems:**

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

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

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***Additional ecological information:**

***General notes:**

Water hazard class 1 (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.

***Results of PBT and vPvB assessment**

***PBT:** Not applicable.

***vPvB:** Not applicable.

***Other adverse effects** No further relevant information available.

13 Disposal considerations

***Waste treatment methods**

***Recommendation:**

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

***Uncleaned packagings:**

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

14 Transport information

***UN-Number**

***DOT/TDG, ADR, IMDG, IATA** Void

***UN proper shipping name**

***DOT/TDG, IMDG, IATA** Void

***ADR** Void

Void

***Transport hazard class(es)**

***DOT/TDG, ADR, IMDG, IATA**

***Class** Void

***Packing group**

***DOT/TDG, ADR, IMDG, IATA** Void

***Environmental hazards:** Not applicable.

***Special precautions for user** Not applicable.

***Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

***UN "Model Regulation":** Void

15 Regulatory information

***Safety, health and environmental regulations/legislation specific for the substance or mixture**

***SARA Section 355 (extremely hazardous substances)**

Substance is not listed.

***SARA Section 313 (specific toxic chemical listings)**

Substance is not listed.

***TSCA (Toxic Substances Control Act)**

ACTIVE

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***MAK (German Maximum Workplace Concentration)**

Substance is not listed.

***GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

***Hazard pictograms**



GHS07 GHS08

***Signal word Danger**

***Hazard-determining components of labeling:**

phenacetin

***Hazard statements**

Harmful if swallowed.

May cause cancer.

***Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

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

If swallowed: Call a poison center/doctor if you feel unwell.

Rinse mouth.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

***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.

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

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

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**

***Date of the latest revision of the safety data sheet 04/09/2025 / 9**

***Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

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

NFPA: National Fire Protection Association (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**** Data compared to the previous version altered.**