

Safety Data Sheet

Release 1.1
Revision 02/27/2021
Date of issue 05/29/2021

1 Identification of the substance

Identification of the substance

Identification of the substance Fenpiverinium bromide

Additional identification 1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidinium bromide;1-(3-Carbamoyl-3,3-diphenylpropyl)-1-methylpiperidinium bromide;2,2 -Diphenyl-2-(2-piperidinoethyl)acetamide methyl bromide

Biosynth catalog no. FF23263

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

Use of the substance/preparation

Identified uses other biochemicals

Restriction on use not for food or drug use, for laboratory use only

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Emergency Number

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2 Hazards identification

Health Hazards

acute toxicity (Category 4)

Environmental Hazards

not classified

Physical Hazards

not classified

Possible Hazards (Summary)

GHS Labeling

Regulatory List
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Symbol
GHS07 exclamation mark

Pictogram



Signal Word

Warning	Warning
<i>Hazard Statement</i>	
H302	Harmful if swallowed.
<i>Precautionary Statement</i>	
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P501	Dispose of contents / container in accordance with local / regional / national / international regulations.

Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients

Substance related information

<i>Substance name</i>	Fenpiverinium bromide
<i>Synonymes</i>	1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidinium bromide;1-(3-Carbamoyl-3,3-diphenylpropyl)-1-methylpiperidinium bromide;2,2 -Diphenyl-2-(2-piperidinoethyl)acetamide methyl bromide
<i>Cas No.</i>	[125-60-0]
<i>Formula</i>	C ₂₂ H ₂₉ BrN ₂ O

4 First aid measures

First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment

Treat symptomatically.

5 Firefighting measures

Extinguishing Media**Suitable**

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures**Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

Methods for Cleaning or Taking Up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage**Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Storage**Storage temperature**

store at 2°C - 8°C

Storage condition

close container well

Storage Requirements

Keep away from incompatible substances. Keep container tightly closed when not in use.

8 Exposure controles/personal protection**Exposure controles****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment**Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties

Color
white

Form
powder

Phase Transition Solid/Liquid
178 °C

Molar Mass
417.38 g/mol

10 Stability and reactivity

Conditions to Avoid
incompatible materials

Substances to Avoid
strong oxidizers

Decomposition Products
nitrogen oxides (NO_x), carbon dioxide (CO₂), bromide gases, carbon monoxide

11 Toxicological information

Acute Toxicity
LD50 oral, Mouse, 800 mg/kg

Other Relevant Toxicity Information

Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

12 Ecological Information

Biodegradation
no data available

Bioaccumulation
no data available

Distribution in Environment
no data available

13 Disposal considerations

Advice on Disposal and Packaging

Advice on Disposal

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging

not available

14 Transport information

Road Transport (ADR/GGVS)
not regulated

Air Transport (IATA)
not regulated

15 Other regulations

Other Regulations

Regulatory List
 EINECS

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
Fenpiverinium bromide	-----	-----	-----

16 Additional information

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