

Material Safety Data Sheet

according to ANSI Z400.1-2004

N-Methylbenperidol

Print date: 23.02.2012

Product code: 2760

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

N-Methylbenperidol

Further trade names

2H-benzimidazol-2-one, 1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidiny]-1,3-dihydro-3-methyl-

1-[3-(4'-fluorobenzoyl)propyl]-4-(2-keto-3-methyl-1- benzimidazoliny)piperidine); N-Methylbenperidol

Abbreviation: FNMB

Chemical characterization (substance)**Details of the supplier of the safety data sheet**

Company name:	ABX advanced biochemical compounds	
	Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläserstraße 10-14	
Place:	D-01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 61
e-mail:	info@abx.de	
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Internet:	http://www.abx.de	

Emergency telephone: +49 3528 4041 60**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

Carcinogenicity (NTP):	No information available.
Carcinogenicity (IARC):	No information available.
Carcinogenicity (OSHA):	No information available.

SECTION 3: Composition/information on ingredients**Substances**

Sum formula:	C23H26FN3O2
Molecular weight:	395.47

SECTION 4: First aid measures**Description of first aid measures****General information**

Avoid contact with skin, eye and clothing.

After inhalation

Inhalation of dust may cause irritation of the respiratory system. Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing. May cause an

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allergic skin reaction. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If swallowed, immediately drink: Water. Medical treatment necessary.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Provide adequate ventilation. Avoid generation of dust.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eye and clothing. Do not breathe dust. In case of open handling equipment with built-in suction must be used.

Further information on handling

Do not eat, drink, smoke or sneeze at the workplace.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container dry. Keep container tightly closed.

Further information on storage conditions

storage temperature:

at °C: -20 ± 5

Protect against: Light.

SECTION 8: Exposure controls/personal protection**Control parameters****Exposure controls****Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink. Protect skin by using skin protective cream.

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Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Tested protective gloves are to be worn: Single-use gloves. NBR (Nitrile rubber).

Eye protection

Eye protection: Tightly sealed safety glasses.

Skin protection

Skin protection: Lab apron. Chemical resistant safety shoes.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form:	solid
Color:	colourless
Odor:	odourless

Test method

Changes in the physical state

Melting point:	121-127 °C
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Flammability

Solid:	No ignition, explosion, self-heating or visible decomposition.
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Autoignition temperature

Solid:	No ignition, explosion, self-heating or visible decomposition.
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Oxidizing properties

Not sustaining combustion

Density (at 20 °C):	1,224 g/cm ³
Water solubility:	insoluble

Other information

SECTION 10: Stability and reactivity

Stability:	Stable
Possibility of Hazardous Reactions:	Will not occur

Conditions to avoid

Decomposition possible after prolonged exposure to light.

Incompatible materials

Oxidizing agents, strong. Light.

Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Toxicological data are not available.

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Specific effects in experiment on an animal

No information available.

Irritation and corrosivity

No information available.

Sensitizing effects

No information available.

Severe effects after repeated or prolonged exposure

Toxicological data are not available.

Carcinogenic/mutagenic/toxic effects for reproduction

Due to missing data no statement can be made about, whether the substance fulfills the criteria of CMR categories 1 or 2.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

Toxicity

Toxicological data are not available.

Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Contaminated packaging

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself.

SECTION 14: Transport information

SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	0
Physical Hazard:	0
Personal Protection:	C

NFPA Hazard Ratings

Health:	1
Flammability:	0
Reactivity:	0
Unique Hazard:	

