Miltenyi Biotec B.V. & Co. KG

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Printdate: 24.11.2025

Product ID: StemMACS™ Dorsomorphin 2 mg
Product code: 130-104-466

Statement

A safety datasheet is provided for the following component(s) :

130-104-466: StemMACS™ Dorsomorphin 2 mg

If the product contains other components, the following is valid:
It is hereby stated that the respective product poses no health risk or physical and environmental hazard. It is not classified as hazardous based on our evaluations following the standards of the European Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures. A safety data sheet is not required according to Regulation (EC) No. 1907/2006 (REACH).
Despite the classification as non-hazardous, we strongly recommend reviewing the data sheets or instructions for use as well as applying appropriate safety measures like using personal protective equipment and considering disposal legislation and local regulations when handling chemicals and reagents.
Please contact technicalsupport@miltenyi.com for any further questions or additional safety information.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

StemMACS™ Dorsomorphin 2 mg

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

1.1. Product identifier

StemMACS™ Dorsomorphin 2 mg

CAS No: 866405-64-3

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

Use of the substance/mixture

Scientific research and development

1.3. Details of the supplier of the safety data sheet

Company name:	Miltenyi Biotec B.V. & Co. KG
Street:	Friedrich-Ebert-Str. 68
Place:	D-51429 Bergisch Gladbach
Telephone:	+49 2204 8306-0
E-mail:	technicalsupport@miltenyi.com
Internet:	www.miltenyibiotec.com
Responsible Department:	Technical Support Tel.: +49 2204 8306 3803

1.4. Emergency telephone number:

GBK GmbH +49 (0)6132-84463 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute Tox. 4; H332
Acute Tox. 4; H312
Acute Tox. 4; H302

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

Dorsomorphin; 6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)-pyrazolo[1,5-a]pyrimidine

Signal word: Warning

Pictograms:



Hazard statements

H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.

2.3. Other hazards

none

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Composition/information on ingredients

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
866405-64-3	Dorsomorphin; 6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)-pyrazolo[1,5-a]pyrimidine			100 %
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4; H332 H312 H302			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
866405-64-3		Dorsomorphin; 6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl) -pyrazolo[1,5-a]pyrimidine	100 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg; oral: ATE = 500 mg/kg		

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a doctor. If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Wash with plenty of water/soap. In case of skin irritation, seek medical treatment. Take off immediately all contaminated clothing and wash it before reuse.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, alcohol resistant foam, Dry extinguishing powder, Carbon dioxide (CO2)

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear personal protection equipment. Avoid dust formation. Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation.

6.4. Reference to other sections

See section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe dust. Wash hands thoroughly after handling. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Advice on general occupational hygiene

Wash hands before breaks and after work. Wear personal protection equipment.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Further information on storage conditions

storage temperature: -20°C

7.3. Specific end use(s)

Scientific research and development

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls





Appropriate engineering controls

Use extractor hood (laboratory).

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Tested protective gloves are to be worn: Single-use gloves. DIN-/EN-Norms EN ISO 374 Suitable material: NBR (Nitrile rubber). Recommended protective gloves brand: Supreno, Manufacturer. Microflex Cooperation Or comparable articles from other companies.

Skin protection

Personal protection equipment
Wash hands before breaks and after work.

Respiratory protection

Respiratory protection necessary at: Generation/formation of dust (NIOSH: N100; EN143: P3)

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid	
Colour:	white	
Odour:	odourless	
Melting point/freezing point:		244,93 °C
Boiling point or initial boiling point and boiling range:		569,21 °C
Flammability:		not determined not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Decomposition temperature:		not determined
Viscosity / kinematic:		not applicable
Water solubility:		not determined
Partition coefficient n-octanol/water:		4,21
Vapour pressure:		not determined
Density:		1,3 g/cm³
Relative vapour density:		not determined
Particle characteristics:		Nanoform: none

9.2. Other information

Information with regard to physical hazard classes

Self-ignition temperature	
Solid:	not determined
Gas:	not applicable

Other safety characteristics

Evaporation rate:	not determined
Viscosity / dynamic:	not applicable

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

May cause decomposition by long-term light influence.

10.6. Hazardous decomposition products

In case of fire may be liberated: , Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed, in contact with skin or if inhaled.

Harmful if swallowed, in contact with skin or if inhaled.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
866405-64-3	Dorsomorphin; 6-[4-[2-(1-piperidinyl)ethoxy]phenyl]-3-(4-pyridinyl)-pyrazolo[1,5-a]pyrimidine				
	oral	ATE 500 mg/kg			
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

Practical experience

No information available.

11.2. Information on other hazards

Endocrine disrupting properties

none

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met.

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
No information available.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Remove according to the regulations. Delivery to an approved waste disposal company.

Contaminated packaging

Remove according to the regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	-
14.2. UN proper shipping name:	Not a hazardous material with respect to these transportation regulations.
14.3. Transport hazard class(es):	-
14.4. Packing group:	-

Inland waterways transport (ADN)

14.1. UN number or ID number:	-
14.2. UN proper shipping name:	Not a hazardous material with respect to these transportation regulations.
14.3. Transport hazard class(es):	-
14.4. Packing group:	-

Marine transport (IMDG)

14.1. UN number or ID number:	-
14.2. UN proper shipping name:	Not a hazardous material with respect to these transportation regulations.
14.3. Transport hazard class(es):	-
14.4. Packing group:	-

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	-
14.2. UN proper shipping name:	Not a hazardous material with respect to these transportation regulations.
14.3. Transport hazard class(es):	-
14.4. Packing group:	-

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions for women of child-bearing age.
Water hazard class (D):	3 - highly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

Indication of changes:
SECTION 9: Physical and chemical properties
SECTION 11: Toxicological information
SECTION 16: Other information

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).
Acute Tox: Acute toxicity

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.

Further Information

The receiver of our product is singularly responsible for adhering to existing laws and regulations. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.