SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 3.2
14.03.2025

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers

Product name	:	**MK-2866**
Product Number	:	1-672892-372702
Brand	:	ARCHEM
REACH No.	:	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.
CAS-No.	:	841205-47-8

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

Identified uses	:	This product is for research use - Not for human or veterinary diagnostic or therapeutic use.

1.3. Details of the supplier of the safety data sheet

Company	:	ARCHEM UK London Bioscience Innovation Centre 2 Royal College St London NW1 0NH United Kingdom
Telephone	:	+ 44 (0) 2033 555629
E-mail address	:	technicalservice@ar-chem.co.uk

1.4. Emergency telephone

Emergency Phone #	:	+ 44 (0) 2033 555629

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2. Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Synonyms	:	MK2866, MK 2866, MK-2866, GTX024, GTX 024, GTX-024, Ostarine, Enobosarm.

Formula	:	$C_{19}H_{14}F_3N_3O_3$
Molecular weight	:	389.33 g/mol

No components need to be disclosed according to the applicable regulations.

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

If inhaled
Remove to fresh air and monitor breathing. Consult doctor if feeling unwell. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration.

In case of skin contact
In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact
After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed
After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2. Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture
Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters
Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. Environmental precautions
Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections
For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions
Tightly closed. Dry.

Storage stability
Recommended storage temperature
2 - 8 °C

Store with desiccant. Hygroscopic.

Storage class
Storage class (TRGS 510): 11: Combustible Solids

7.3. Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Ingredients with workplace control parameter
Contains no substances with occupational exposure limit values.

8.2. Exposure controls
Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection
This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de).

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm

Break through time: 480 min
Material tested:KCL 741 Dermatril® L

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:KCL 741 Dermatril® L

Respiratory protection
Required when dusts are generated.
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Recommended Filter type: Filter type P1

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.
These measures have to be properly documented.

Control of environmental exposure
Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	:	solid
Color	:	White to off white
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Flash point	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	No data available
Viscosity	:	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	:	~0.2 mg/ml in 1:4 EtOH:PBS (pH 7.2); ~25 mg/ml in EtOH; ~15 mg/ml in DMSO & DMF;
Partition coefficient: n-octanol/water	:	No data available
Vapor pressure	:	No data available
Density	:	No data available

Relative density	:	No data available
Relative vapor density	:	No data available
Particle characteristics	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	None

9.2. Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

10.6. Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Oral: No data available
Inhalation: No data available
Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

11.2. Additional Information
RTECS: not avaliable.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
No data available

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties
No data available

12.7. Other adverse effects
No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.
Notice Directive on waste 2008/98/EC.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR/RID: - IMDG: - IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4. Packaging group

ADR/RID: - IMDG: - IATA: -

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available

14.7. Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: TRANSPORT INFORMATION

Full text of other abbreviations

- ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
- ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;
- AIIC - Australian Inventory of Industrial Chemicals;
- ASTM - American Society for the Testing of Materials;
- bw - Body weight;
- CMR - Carcinogen, Mutagen or Reproductive Toxicant;
- DIN - Standard of the German Institute for Standardisation;
- DSL - Domestic Substances List (Canada);
- ECx - Concentration associated with x% response;
- ELx - Loading rate associated with x% response;
- EmS - Emergency Schedule;
- ENCS - Existing and New Chemical Substances (Japan);
- ErCx - Concentration associated with x% growth rate response;
- GHS - Globally Harmonized System;
- GLP - Good Laboratory Practice;
- IARC - International Agency for Research on Cancer;
- IATA - International Air Transport Association;
- IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
- IC50 - Half maximal inhibitory concentration;

- ICAO - International Civil Aviation Organization;
- IECSC - Inventory of Existing Chemical Substances in China;
- IMDG - International Maritime Dangerous Goods;
- IMO - International Maritime Organization;
- ISHL - Industrial Safety and Health Law (Japan);
- ISO - International Organisation for Standardization;
- KECI - Korea Existing Chemicals Inventory;
- LC50 - Lethal Concentration to 50 % of a test population;
- LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);
- MARPOL - International Convention for the Prevention of Pollution from Ships;
- n.o.s. - Not Otherwise Specified;
- NO(A)EC - No Observed (Adverse) Effect Concentration;
- NO(A)EL - No Observed (Adverse) Effect Level;
- NOELR - No Observable Effect Loading Rate;
- NZIoC - New Zealand Inventory of Chemicals;
- OECD - Organization for Economic Co-operation and Development;
- OPPTS - Office of Chemical Safety and Pollution Prevention;
- PBT - Persistent, Bioaccumulative and Toxic substance;
- PICCS - Philippines Inventory of Chemicals and Chemical Substances;
- (Q)SAR - (Quantitative) Structure Activity Relationship;
- REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;
- RID - Regulations concerning the International Carriage of Dangerous Goods by Rail;
- SADT - Self-Accelerating Decomposition Temperature;
- SDS - Safety Data Sheet;
- TCSI - Taiwan Chemical Substance Inventory;
- TECI - Thailand Existing Chemicals Inventory;
- TSCA - Toxic Substances Control Act (United States);
- UN - United Nations;
- UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;
- vPvB - Very Persistent and Very Bioaccumulative

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. ARCHEM UK and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. All of the information in the document regarding the product matches the product ordered. For further information please contact hello@ar-chem.co.uk