Safety Data Sheet

Release	1.0	According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200
Revision	01/05/2025	
Date of issue	01/05/2025	

1 Identification of the substance

1.1 Product identifier

Identification of the substance	MK-677 Ibutamoren
Additional identification	Ibutamoren mesylate
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.

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

Identified uses	other biochemicals
Restriction on use	not for food or drug use, for laboratory use only

1.3 Details of the suppller of the safty data sheet

Company	InfinityChem 16445 N 91st St, Suite 101 Scottsdale, AZ 85260 USA
Website	https://www.8chem.com
Mail	sales@8chem.com

1.4 Emergency telephone number

Phone	Monday - Friday 9 AM to 5 PM (PST): +1-844-269-2436

2 Hazards identification

2.1 Classification of the substance or mixturet

Physical Hazards

not classified

Health Hazards

not classified

Enviromental Hazards

not classified

2.2 Label elements

Regulatory List

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

Precautionary Statement

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Do not get in eyes, on skin, or on clothing.

2.3 Other hazards

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

Substance name	MK-677 Ibutamoren
Synonyms	Ibutamoren mesylate
Cas No.	[159634-47-6]
Formula	$C_{28}H_{40}N_4O_8S_2$

4 First aid measures

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed
Hints for Physician: Symptoms
See Section 11 for additonal information on health hazards

4.3 Indication of any immediate medical attention and special treatment needed
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
5.1 Extinguishing Media
Suitable
foam, dry extinguishing powder, carbon dioxide (CO2), water spray jet

5.2 Special hazards arising from the substance or mixturet
Wear a self-contained breathing apparatus and chemical protective clothing.

Hazards During Fire-Fighting
toxic fumes

5.3 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
6.1 Personal Precautions, potective equipment and emergency procedures
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

6.2 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.

6.3 Methods and material for containment and cleaning up
not available

6.4 Further Accidental Release Measures
Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage
7.1 Precautions for safe 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.

7.2 Conditions for safe storage, including any incompatibilities
Storage temperature
store at 2°C - 8°C
Storage condition
close container well
Storage Requirements
Keep container tightly closed when not in use, since hygroscopic. Keep away from incompatible substances.

7.3 Specific end use(s)

8 Exposure controles/personal protection

8.1 Exposure limit values
Does not contain any substances with occupational exposure limits.

8.2 Exposure controles
Industrial Hygiene
Mechanical exhaust required. Safety shower and eye shower.

8.3 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
9.1 Information on basic Physical and chemical color properties
Form
powder

9.2 Other information
Molar Mass
624,77 g/mol

10 Stability and reactivity
10.1 Reactivity
No Data Available

10.2 Chemical stability
No Data Available

10.3 Possibility of hazardous reaction
No Data Available

10.4 Conditions to Avoid (SDS)
incompatible materials, air

10.5 Incompatible materials
strong oxidizers

10.6 Hazardous decomposition products
nitrogen oxides (NOx), carbon dioxide (CO2), sulphur oxides, carbon monoxide

11 Toxicological information
11.1 Information on toxicological effects
Other Relevant Toxicity Information
We are not aware of any toxicology data.

12 Ecological Information
12.1 Toxicity

Acute toxicity versus Fishing	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
Acute toxicity in aquatic plants	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

Acute toxicity versus Daphnia and others aquatic invertebrates	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

12.2 Persistence and degradablity
Remarks : no data available
12.3 Bioaccumulative potential
Remarks : no data available
12.4 Mobility in soil
no data available
12.5 Results of PBT and vPvB assessment
no data available
12.6 Other adverse effects
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)	Air Transport(IATA)
14.1 UN number	Not Dangerous Goods	Not Dangerous Goods
14.2 UN proper shipping name	Not Dangerous Goods	Not Dangerous Goods
14.3 Transport hazard class(es)	Not Dangerous Goods	Not Dangerous Goods
14.4 Packing group	Not Dangerous Goods	Not Dangerous Goods
14.5 Enviromental hazard class (es)	Not Dangerous Goods	Not Dangerous Goods
14.6 Special precautions for user	Not applicable	Not applicable
14.7 Transport in bulk according to Annex 11 of MARPOL and the IBC code	Not applicable	Not applicable

15 Other regulations

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

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed or exempt.

SARA 313 Emission Reporting

None of the ingredients are listed or exempt.

CAA Accidental Release Prevention

None of the ingredients are listed or exempt.

FDA - Essential Chemical

None of the ingredients are listed or exempt.

FDA - Precursor Chemical

None of the ingredients are listed or exempt.

SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

US State Regulations

Toxins

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

Massachusetts "Right To Know" List

None of the ingredients are listed or exempt.

Rhode Island "Right To Know" List

None of the ingredients are listed or exempt.

Minnesota "Right To Know" List

None of the ingredients are listed or exempt.

New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

Pennsylvania "Right To Know" List

None of the ingredients are listed or exempt.

not available

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)
MK 677	-----	-----	-----

15.2 Chemical safty assessment

No chemical safety assessment has been carried out.

16 Additional information

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