

SAFETY DATA SHEET

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

Product identifiers

Product name : Angiotensin II (Ang II)

Synonyms: 5-L-isoleucine-angiotensin II

CAS Number

4474-91-3

Relevant identified uses of the substance or mixture

For research use only. Not for use in diagnostic procedures.

Details of the supplier of the safety data sheet

Montana Molecular

366 Gallatin Park Drive, Unit A

Bozeman, MT 59715

Emergency telephone

Emergency Phone #. In case of emergency contact CHEMTREC. 24 Hours/day; 7 Days/week

CHEMTREC (USA): 800-424-9300

CHEMTREC (International) +1-703-527-3887

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

The substance is not classified, according to the Globally Harmonized System (GHS).

GHS Label elements, including precautionary statements

Pictogram

Not applicable

Signal Word

Not applicable

Hazard Statements

Not applicable

Precautionary Statements

Not applicable

Hazards not otherwise classified (HNOC) or not covered by GHS

none

SECTION 3: Composition/information on ingredients

Mixtures

Chemical name	CAS number	Concentration
Angiotensin II	4474-91-3	0.5% (5 mM)

Non-hazardous ingredients include water.

SECTION 4: First aid measures

Description of first-aid measures

General advice

Note to physician: treat symptomatically

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration.

Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of water. If irritation develops, seek medical advice.

Eye contact

Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses. Seek medical advice.

If swallowed

Rinse mouth with water. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

No further information available

Indication of any immediate medical attention and special treatment needed

No further information available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

Special hazards arising from the substance or mixture

No information available

Special protective equipment and precautions for firefighters

No special measures required.

SECTION 6: Accidental release measures

Methods and materials for containment and cleaning up

Isolate area around spill. Put on suitable protective clothing and equipment as specified by site spill control procedures. Absorb the liquid with suitable material and clean affected area with soap and water. Dispose of spill materials according to the applicable federal, state, or local regulations. Do not let product enter drains.

SECTION 7: Handling and storage

Precautions for safe handling

No special measures required

Conditions for safe storage, including any incompatibilities

Store according to package labeling.

SECTION 8: Exposure controls/personal protection

Control parameters

Ingredients with permissible exposure limits

Contains no substances with permissible exposure limits.

Exposure controls

Appropriate engineering controls

No special environmental controls are required.

Personal protective equipment

Eye/face protection

Safety glasses

Skin protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Body Protection

Protective clothing

Respiratory protection

Not required

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Color	No data available
Odor	Characteristic
Odor threshold	No data available
pH	Not applicable
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	Product is not flammable
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	No data available
Relative density	No data available
Solubility	PBS pH 7.2: 1mg/ml
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	Not applicable
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not classified as explosive
Oxidizing properties	none

SECTION 10: Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong acids, strong bases

Hazardous decomposition products

Carbon oxides, nitrogen oxides

SECTION 11: Toxicological information

RTECS Number

BW2165000

Acute toxicity

Skin contact

No data available

Eye contact

No data available

Inhalation

No data available

Ingestion

No data available

Additional toxicological information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

SECTION 12: Ecological information

Aquatic or terrestrial toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

SECTION 13: Disposal considerations**Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. Handle uncleaned containers like the product itself.

SECTION 14: Transport information**UN/NA Number:**

None

UN/NA proper shipping name:

Not applicable

Transport Hazard Class:**IATA:**

Not hazardous goods

DOT (US):

Not hazardous goods

IMDG:

Not hazardous goods

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

SARA 355 (extremely hazardous substances)

Substance is not listed

SARA 313

Substance is not listed

TSCA list

Substance is not listed

Clean Air Act

Not applicable

California Proposition 65 Components

This product does not contain chemicals listed under Proposition 65.

Carcinogenic categories

EPA (Environmental Protection Agency)

Substance is not listed.

TLV (Threshold Limit Value)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Disclaimer

The information is believed to be correct to the best of our knowledge at the date published. The document is designed solely as a guideline. It does not represent any guarantee of the properties of the product. Montana Molecular, LLC and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product

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