

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: ATP AffiPur Kit II  
Catalog Number: AK-104S  
Supplier: Jena Bioscience GmbH  
Loebstedter Strasse 71  
07749 Jena, Germany  
Telephone: +49 - 3641 - 62 85 000  
Fax: +49 - 3641 - 62 85 100  
e-Mail: info@jenabioscience.com  
WWW: http://www.jenabioscience.com

### 2. HAZARDS IDENTIFICATION

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Flammable liquids (Category 2) H225  
Acute toxicity, Inhalation (Category 3) H331  
Acute toxicity, Dermal (Category 3) H311  
Acute toxicity, Oral (Category 3) H301  
Specific target organ toxicity - single exposure (Category 3) H370

#### Label elements



Pictogram

Signal word Danger

#### Hazard statement(s)

H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H311 Toxic in contact with skin.

#### Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P280 Wear protective gloves/ protective clothing.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

P311 Call a POISON CENTER or doctor/ physician.

Supplemental Hazard information (EU)  
none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients according to Regulation (EC) No 1272/2008:

Methanol

Synonyms:

Formula:

Molecular Weight:

CAS-No.:

EC number:

Concentration:

### 4. FIRST AID MEASURES

#### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2 and/or in section 11.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

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

#### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Avoid dust formation.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: store at 4 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

For prolonged or repeated contact use protective gloves.

#### Eye protection

Safety glasses

#### Hygiene measures

General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form:

### Safety data

pH:	
Melting point:	-98 °C
Boiling point:	64,7 °C
Flash point:	9,7 °C - closed cup
Ignition temperature:	455,0 °C at 1.013 hPa
Lower explosion limit:	Not explosive
Upper explosion limit:	Not explosive

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

Water solubility: completely miscible

### 10. STABILITY AND REACTIVITY

#### Storage stability

Stable under recommended storage conditions.

#### Materials to avoid

Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

#### Hazardous decomposition products

no data available

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

LDLO Oral Human - 143 mg/kg (human), Remarks: Lungs, Thorax, or Respiration:Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

LD50 Oral	1.187 - 2.769 mg/kg (rat)
LC50 Inhalation	4 h - 128,2 mg/l (rat)
LC50 Inhalation	6 h - 87,6 mg/l (rat)
LD50 Dermal	17.100 mg/kg (rabbit)

#### Irritation and corrosion

Skin - rabbit	Result: No skin irritation
Eyes - rabbit	Result: No skin irritation

#### Sensitisation

Maximisation Test - guinea pig Does not cause skin sensitisation. (OECD Test Guideline 406)

#### Germ cell mutagenicity

Ames test - S. typhimurium	Result: negative
in vitro assay - fibroblast	Result: negative, Mutation in mammalian somatic cells.
Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)	Result: negative
- mouse - male and female	

#### Signs and Symptoms of Exposure

Methyl alcohol may be fatal or cause blindness if swallowed.

Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures.

Symptoms may be delayed., Damage of the:, Liver, Kidney

Central nervous system - Breathing difficulties - Based on Human Evidence



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

## 12. ECOLOGICAL INFORMATION

### Toxicity

Toxicity to fish mortality LC50      Lepomis macrochirus (Bluegill) - 15.400,0 mg/l - 96 h  
NOEC - Oryzias latipes - 7.900 mg/l - 200 h

Toxicity to daphnia and other      Daphnia magna (Water flea) - > 10.000,00 mg/l - 48 h  
aquatic invertebrates EC50

Toxicity to algae Growth inhibi-      Scenedesmus capricornutum (fresh water algae) - 22.000,0 mg/l - 96 h  
tion EC50

### Elimination information (persistence and degradability)

aerobic - Exposure time 5 d      Result: 72 % - rapidly biodegradable

### Further information on ecology

Bioaccumulation Cyprinus car- 5 mg/l  
pio (Carp) - 72 d at 20 °C

Bioconcentration factor (BCF)      1,0

## 13. DISPOSAL CONSIDERATIONS

### Product

Observe all federal, state, and local environmental regulations.

### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### UN number/ Proper shipping name

ADR/RID:                              UN 1230 Methanol  
IMDG:                                    UN 1230 Methanol  
IATA:                                      UN 1230 Methanol

### Transport hazard class(es)

ADR/RID:                              3 (6.1)  
IMDG:                                    3 (6.1)  
IATA:                                        3 (6.1)

### Packaging group

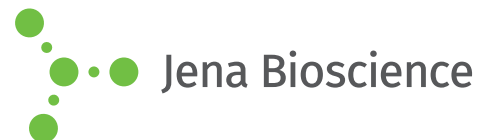
ADR/RID:                              II  
IMDG:                                    II  
IATA:                                        II

### Environmental hazards

ADR/RID:                              no  
IMDG:                                    no

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## ATP AffiPur Kit II

For the purification of ATP binding proteins using 8AH-ATP-Agarose

IATA: no

### 15. REGULATORY INFORMATION

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

### 16. OTHER INFORMATION

#### Further information

© 2017 Jena Bioscience GmbH

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Users should make independent decisions regarding completeness of the information based on all sources available.

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.

Jena Bioscience GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See our website for our terms and conditions of sales.

