

# **ATP AffiPur Kit I**

For the purification of ATP binding proteins using AP-ATP-Agarose

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

Product Name:	ATP AffiPur Kit I
Catalog Number:	AK-103L
Supplier:	Jena Bioscience GmbH
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## 2. HAZARDS IDENTIFICATION

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

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

### Label elements



Pictogram

Signal word

Danger

Hazard statement(s) H225 H301 H311

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

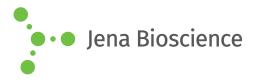
Precautionary statement(s) P210 P260 P280 P301 + P310 physician.

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



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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.







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### **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:

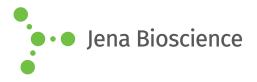
#### Safety data

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



Certified QMS and EMS according to DIN EN ISO 9001 and DIN EN ISO 14001 Reg.-No.: ICV03597 034 and ICV03597 53 Jena Bioscience GmbH Löbstedter Str. 71 | 07749 Jena, Germany | Tel.:+49-3641-6285 000 | Fax:+49-3641-6285 100 http://www.jenabioscience.com





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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 mam-Result: negative malian bone-marrow cytogenetic test, chromosomal analysis) - 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







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## **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:	П
IMDG:	Ш
IATA:	Ш

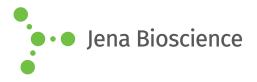
### **Environmental hazards**

ADR/RID:	no
IMDG:	no



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IATA:

no

## **15. REGULATORY INFORMATION**

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

## **16. OTHER INFORMATION**

#### **Further information**

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