

# SAFETY DATA SHEET

## According to Regulation 1907/2006/CE

Doc. N° 191500 rev.2  
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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product name : **MUCAP Test**  
Product Number : **191500**

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

Identified uses : Laboratory chemicals, reagent for microbiology

#### 1.3 Details of the supplier of the safety data sheet

Company : Biolife Italiana S.r.l.  
Viale Monza 272, 20128 Milano Italia  
Tel : 0039 02 252091  
Fax: 0039 02 2576428  
E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it)

#### 1.4 Emergency telephone number

Emergency Phone : 0039 02-6610-1029 (Centro Antiveleni Niguarda Ca'  
Granda- Milano)

### 2. HAZARDS IDENTIFICATION

#### Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 2), H225  
Skin irritation (Category 2), H315  
Specific target organ toxicity - single exposure (Category 3),  
Central nervous system, H336  
Aspiration hazard (Category 1), H304  
Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity (Category 1), H410  
For the full text of the H-Statements mentioned in this  
Section, see Section 16.

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

Highly flammable liquid and vapour.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
May cause drowsiness or dizziness.  
Very toxic to aquatic life with long lasting effects.

H225

H304

H315

H336

H410

Precautionary statement(s)

Keep away from heat/sparks/open flames/hot surfaces. - No  
smoking.

P210

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E-mail: [mktg@biolifeitaliana.it](mailto:mktg@biolifeitaliana.it); Web Site: [www.biolifeitaliana.it](http://www.biolifeitaliana.it)

P261 Avoid breathing vapours.  
 P273 Avoid release to the environment.  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331 Do NOT induce vomiting.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements none

### 2.3 Other hazards - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

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

Component	Classification	Concentration
<b>Heptane</b>		
CAS-No 142-82-5	Flam. Liq. 2; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1; Aquatic Acute 1; Aquatic Chronic 1; H225, H304, H315, H336, H410	≤ 100 %
CE-No 205-563-8		
INDICE-No 601-008-00-2		

For the full text of the H-Statements mentioned in this Section, see Section 16

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

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

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 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

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

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

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

**5.3 Advice for firefighters** Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information** no data available

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.  
For personal protection see section 8.

**6.2 Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

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

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.  
For precautions see section 2.2.

**7.3 Specific end use(s)** A part from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Component	CAS-No	Value	Control parameters	Base
Heptane	142-82-5	TWA	500 ppm 2.085 mg/m <sup>3</sup>	Directive 2000/39/EC Commission; first list of indicative limit values
	Osservazioni	Indicativo		
		TWA	500 ppm 2.085 mg/m <sup>3</sup>	Indicative occupational exposure limit values To Chemical Agents

### 8.2 Exposure controls

<b>Appropriate engineering controls</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<b>Skin protection</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
<b>Body Protection</b>	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing point	- 91°C
f) Initial boiling point and boiling range	98 °C
g) Flash point	- 4 °C - closed cup
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	7 %(V) 1.1 %(V)
k) Vapour pressure	110,7 hPa at 37,7 °C 53,3 hPa at 20,0 °C
l) Vapour density	no data available

m) Relative density	no data available
n) Water solubility	insoluble
o) Partition coefficient: noctanol/ water	log Pow: > 3,000
p) Auto-ignition temperature	223,0 °C
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

**9.2 Other safety information** no data available

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## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	no data available
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	no data available
<b>10.4 Conditions to avoid</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	Other decomposition products - no data available In the event of fire: see section 5

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	Acute Oral Toxicity LD50 Rat > 5,000 mg/kg OECD Test Guideline 401  Acute Dermal Toxicity LD50 Rabbit > 2,000 mg/kg OECD Test Guideline 402  Acute inhalation toxicity LC50 Rat > 29.3 g/m <sup>3</sup> ; 4 h; vapour OECD Test Guideline 403
<b>Skin corrosion/irritation</b>	Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Causes skin irritation
<b>Serious eye damage/eye irritation</b>	Eyes - rabbit Result: No eye irritation (OECD Test Guideline 405)
<b>Respiratory or skin sensitisation</b>	no data available
<b>Germ cell mutagenicity</b>	no data available

<b>Carcinogenicity</b>	no data available
<b>Reproductive toxicity</b>	no data available
<b>Specific target organ toxicity - single exposure</b>	May cause drowsiness or dizziness.
<b>Specific target organ toxicity - repeated exposure</b>	no data available
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b>Additional Information</b>	no data available

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**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	Toxicity to fish LC50 - Carassius auratus (goldfish) - 4 mg/l - 24,0 h LC50 - Tilapia mossambica - 375 mg/l - 96,0 h Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 1,50 mg/l - 48 h other aquatic invertebrates
<b>12.2 Persistence and degradability</b>	Ratio BOD/ThBOD 3,5 %
<b>12.3 Bioaccumulative potential</b>	Indication of bioaccumulation.
<b>12.4 Mobility in soil</b>	no data available
<b>12.5 Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
<b>12.6 Other adverse effects</b>	Very toxic to aquatic life with long lasting effects. Do not empty into drains. Avoid release to the environment.

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**13. DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	
<b>Product</b>	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
<b>Contaminated packaging</b>	Dispose of as unused product.

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**14. TRANSPORT INFORMATION**

<b>14.1 UN number</b>	ADR/RID: 1206 IMDG: 1206 IATA: 1206
<b>14.2 UN proper shipping name</b>	ADR/RID: HEPTANES IMDG: HEPTANES IATA: Heptanes
<b>14.3 Transport hazard class(es)</b>	ADR/RID: 3 IMDG: 3 IATA: 3
<b>14.4 Packaging group</b>	ADR/RID: II IMDG: II IATA: II
<b>14.5 Environmental hazards</b>	ADR/RID: yes IMDG Marine pollutant: yes IATA: no

**14.6 Special precautions for user** no data available

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## 15. REGULATORY INFORMATION

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

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Authorisations and/or restrictions on use** no data available

**15.2 Chemical Safety Assessment** For this product a chemical safety assessment was not carried out

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## 16. OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Asp. Tox.	Aspiration hazard
Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Irrit.	Skin irritation

### Further information

**Restrictions for use** No data available

**Training advice** No data available

**References** No data available

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