The GESTIS Biological Agents Database is a joint project:

The GESTIS Biological Agents Database can be accessed freely and without registration at the following addresses:

- [http://www.dguv.de/ifa/gestis-biological-agents](http://www.dguv.de/ifa/gestis-biological-agents) (desktop version)
- [http://biomobile-en.itrust.de](http://biomobile-en.itrust.de) (mobile version)

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**– April 2019 –**
The GESTIS Biological Agents Database is an internet-based database containing data that can be accessed without restriction and free of charge. A large number of biological agents are put to use in laboratories, in biotechnology and in animal testing. Employees can also come into contact with biological agents in other activities (e.g. in the health services, cleaning and rehabilitation work, veterinary medicine, agriculture, forestry, waste water and solid waste industry). Biological agents therefore have to be included in the risk assessment at many workplaces.

The database target group thus mainly comprises those responsible for workplace safety and health. The search mask permits searches not only for the name of the biological agent, but also for the risk group, biological agent category, sector and special activity datasheets.

### 1. Biological agent datasheets with extended information

#### GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Ulcerative Stage</th>
<th>Document Number:</th>
<th>Category of the biological agent:</th>
</tr>
</thead>
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<tr>
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<td>Biological agent</td>
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<tr>
<td></td>
<td></td>
<td>References:</td>
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</tbody>
</table>

#### Leishmania tropica

**Class**: Microorganisms, parasitic protozoa (Protozoen)

**Order**: Kinetoplastida

**Family**: Leishmaniidae

**Genus**: Leishmania

**Species**: Leishmania tropica

**Type**: Leishmania tropica

**Primary activity**: cutaneous leishmaniasis

**Migration**: workers in laboratory activities, other sectors

**Zoonoses**: workers in laboratory activities, other sectors

**Natural habitat**: animal reservoirs

**Natural infection route**: animal reservoirs

**Primary reservoir**: animal reservoirs

**Intermediate hosts**: flies, sandflies, other insects

**Transmission**: flies, sandflies, other insects

**Basic infection stages**: leishmaniasis

**Clinical stages**: cutaneous leishmaniasis

**Pathogenicity**: mild

**Occurrence**: worldwide

**Morphology**: flagellates

**Pathology**: granulomas

**Epidemiology**: vector borne

**Occupational**: laboratories, veterinary medicine

**Protection measures**: use of personal protective equipment

**Symptoms**: fever, headache, fatigue, dermatitis

**Diagnostic methods**: microscopy, PCR

**Treatment**: antimonials

**Prevention**: vector control

**Regulations**: occupational health law

**References**: [1], [2], [3]

### Example of a biological agent datasheet with extended information: *Leishmania tropica*

Here you can find the following information:

- Name, category, risk group etc.
- Occupational safety and health (protective measures, inactivation, decontamination, first aid, occupational health care)
- Morphology and physiology
- Occurrence, natural habitat
- Pathogenicity
- Disease (symptoms, therapy, prophylaxis)
- Epidemiology
- Resistance, tenacity
- Regulations (laws, ordinances, technical rules)
- Related links
- References

Example of a biological agent datasheet with basic information

These contain information on:

- Name, category, risk group etc.
- Occupational safety and health for activities in laboratories specifically involving biological agents
- Related links

### 3. Activity datasheets

Activity datasheets contain information on activities in sectors where health-hazardous biological agents can arise (usually so-called „non-specific“ activities, e.g. waste or waste water industry). These contain at least the following information:

- Health-hazardous biological agents possibly occurring during these activities
- Occupational safety and health, protective measures
- Regulations and related links