

# CLAKS Online

Manual for the Web client

Handbook for Students

- Read access-

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## Registration

Website: [Link](#)

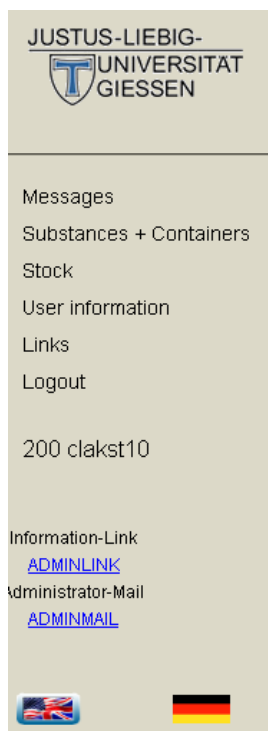
Please enter your username and password. If you do not have a username, please contact your administrator or send an e-mail. When using CLAKS the arrows "before" and "back" of the Windows browser should not be used.

### CLAKS Online Anmeldung

Benutzername:	<input type="text"/>
Password:	<input type="password"/>

## Menu

Your menu looks like this:



## Messages

Here you can find messages.

Messages

The latest information and important changes can also be found at the top of the home page of CLAKS.

Kontakt: [claks@admin.uni-giessen.de](mailto:claks@admin.uni-giessen.de)

**CLAKS Online Anmeldung**

Benutzername:	<input type="text"/>
Passwort:	<input type="password"/>

## Substances and Container

Among substances and containers, there are several options:

Substances + Container

- List of Substances
- List of Containers
- Details
- Combination search
- Structure search

### Distinction between substances and containers

Substances are those chemicals that are included in the database. Containers are those chemicals that have created in CLAKS by you or someone in your workgroup.

## Substances / containers search

To search for chemicals, please click on "substances and containers". You can then enter the name or partial name, an abbreviation of the name, the CAS number, the molecular formula, the molecular weight, the storage class number or UN number of the desired chemical.

You also have the option to search under "Default", "Compound", "Container", "CAS", "Formula", "Mol Mass", "Storage Class", "Hazard" or "None". Here it is useful to look for the "Default" so that maximum results can be achieved.

The screenshot shows a search interface with the following elements:

- Search substance:
- Search container:
- Sort order:  (dropdown menu)
- Buttons: "Send" (next to substance and container fields)
- Messages sidebar: Messages, Substances + Containers, List of Substances, List of Containers, Details, Combined search
- Text: "There are no search results"
- Title: "List of found containers"

## Search substance

Here you can search for material properties. These are the name / synonym name or partial name, an abbreviation of the name, the CAS number, the molecular formula or the UN number.

## Search container

Here you can search for container properties. Container properties are the container name (if entered), the bar code and the inventory number. To search for the bar code, you have to activate the "search container" field with the cursor. Afterwards, the barcode can be scanned with a barcode scanner.

In addition, you can get a list of all chemicals in your workgroup by typing "a" in the search container field. By typing "ware (goods)" or "wareneingang (incoming)" in the search container field you get a list of your incoming (see section: Automatic transfer of containers from EBP to CLAKS).

If the container search should get no results, please enter the keywords at search substance and then click left on the menu list of Containers.

Search substance:  Send Export [To substance list](#)  
 Search container:  Send PDF format:   
 Sort order: Default

**List of found containers for "ware" (container attribute)**

Inventory-ID	User	Container name	Filling	Location Info	Price Price per kgL
<a href="#">12-000-0002-9</a>	<a href="#">200.clakst07</a>	<a href="#">Benzol</a>	1 l/l 100%	<a href="#">AUL-123-02</a>	0.00

## List of Substances

The hits are displayed in a pre-sort list. At the top right you can use the arrow buttons to scroll through the hit list until you find the desired substance. You can now click on the desired substance to see the details of this substance.

Search substance: acetone Send Export Substance 1 of 266  
 Search container:  Send PDF format:   
 Sort order: Default [To container list](#)

**List of found substances for "acetone" (substance search)**

Substance	CAS-number	Molecular formula Molecular mass	R phrase S phrase	Hazard Symbol	GHS data
<a href="#">Aceton</a>	<a href="#">67-64-1</a>	<a href="#">C<sub>3</sub>H<sub>6</sub>O</a> <a href="#">58,079 g/mol</a>	<a href="#">11-36-66-67</a> <a href="#">(2)-19-16-26-46</a>		
<a href="#">Aceton-d1</a>	<a href="#">4468-52-4</a>	<a href="#">C<sub>3</sub>H<sub>5</sub>D<sub>1</sub>O</a> <a href="#">59,085 g/mol</a>	<a href="#">11-36-66-67</a> <a href="#">(2)-19-16-26-46</a>		
<a href="#">Aceton-d6</a>	<a href="#">686-52-4</a>	<a href="#">C<sub>3</sub>D<sub>6</sub>O</a> <a href="#">64,116 g/mol</a>	<a href="#">11-36-66-67</a> <a href="#">(2)-19-16-26-46</a>		
<a href="#">3-Brom-1,1,1-trifluoracetone</a>	<a href="#">431-35-6</a>	<a href="#">C<sub>2</sub>H<sub>2</sub>BrF<sub>3</sub>O</a> <a href="#">190,947 g/mol</a>	<a href="#">11-34-37</a> <a href="#">16-26-36/37/39-45</a>		
<a href="#">3-Buten-2-one, 4-(4-chlorophenyl)-</a>	<a href="#">3180-40-5</a>	<a href="#">C<sub>10</sub>H<sub>8</sub>ClO</a> <a href="#">180,631 g/mol</a>	- -		
<a href="#">Dibenzylidenacetone</a>	<a href="#">35225-79-7</a>	<a href="#">C<sub>17</sub>H<sub>14</sub>O</a> <a href="#">234,292 g/mol</a>	- -		
<a href="#">2,2-Dimethoxypropane</a>	<a href="#">77-76-9</a>	<a href="#">C<sub>6</sub>H<sub>12</sub>O<sub>2</sub></a> <a href="#">104,148 g/mol</a>	<a href="#">11-36</a> <a href="#">26</a>		
<a href="#">Hex-5-en-2-on</a>	<a href="#">109-49-9</a>	<a href="#">C<sub>8</sub>H<sub>16</sub>O</a> <a href="#">98,143 g/mol</a>	<a href="#">10</a> <a href="#">18</a>		
<a href="#">Hexafluoro-2-propanone sesquihydrate</a>	<a href="#">13098-39-0</a>	<a href="#">C<sub>3</sub>H<sub>2</sub>F<sub>12</sub>O<sub>5</sub></a> <a href="#">388,090 g/mol</a>	<a href="#">24/25-36/37/38</a> <a href="#">26-36/37/39</a>		

## List of Containers

If you are looking for chemicals in your work group, use the search container field. Here you get a list of containers created in your workgroup. The containers of other groups can only be seen by a previously requested and approved guest access. If you wish to have such a guest access, please contact your administrator.

The containers, which you have entered yourself into CLAKS have a green background. Again, you have the option of using the arrow buttons to scroll down the list. By clicking on the container name you get to the detail view of the chemical.

Search substance:  Send  [To substance list](#)  
 Search container: acetone Send  PDF format  
 Sort order: Default

**List of found containers for "acetone" (container attribute)**

Inventory-ID	User	Container name	Filling	Location info	Price per kgL
<a href="#">12-200-0069-6</a>	200.clakst10	<a href="#">Aceton-D6</a>	10 ml/10 ml 100%	<a href="#">AUL-123-105a</a> GFS 2 Fach 2	0.00
<a href="#">12-200-0060-3</a>	200.clakst03	<a href="#">Aceton</a>	1 l/2 l 60%	<a href="#">AUL-123-01</a>	0.00
<a href="#">12-200-0070-2</a>	200.clakst03	<a href="#">Aceton-D6</a>	10 ml/10 ml 100%	<a href="#">AUL-123-105a</a> GFS 2 Fach 2	0.00

## Alphabetically sorted list of substances and containers

To obtain an alphabetical listing of chemicals, please select the sort option "Compund" or "Container" instead of "Default".

Search substance:  Send   
 Search container:  Send   
 Sort order: Default  
 Compound  
 Container

There are no search results for: CAS, Formula, Mol Mass, Storage Class, Hazard, None

**List of found containers**

## Details

By clicking on the chemical or in left menu on "details" you can view the details of the specific substance and the specific container.

### Details of the specific substance

Here you get informations on physical properties, characteristics and hazardous features of the substance. If you pass your cursor over the fields of H, P, R and S phrases, and the hazardous symbols, you get the wrote out phrases. If you pass your cursor over the field of the substance name, you will get a list of synonyms of the substance. At the bottom of the page you get a list of derivatives and, if available, a list of substitutes of the substance.

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GIESSEN

Messages

Substances + Containers

- List of Substances
- List of Containers
- Details
- Combined search
- Structure search
- Stock
- User information
- Links
- Logout

200 clakst10

Information-Link  
[ADMINLINK](#)

Search substance

Search container

Sort order

Send

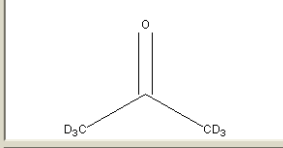
Send

Substance 1 of 3

Navigation: << < > >>

Container 1 of 1  
total 1 of 3

Navigation: << < > >>




CC(=O)C


**Details of the specific substance**

Substance				Aceton-d6			
Molecular formula	C <sub>3</sub> D <sub>6</sub> O		Melting-point	-93.8 °C			
CAS-number	666-52-4		Boiling-point	55.5 °C			
Molecular mass	64,116 g/mol		Physical state	liquid			
Density	0,87 g/cm <sup>3</sup>						

GHS data		Danger F !		WGK		1 low hazardous to waters	
GHS-Hazards		EUH066, H225, H319, H336		Carc. Cat.		Carc. Cat. -	
GHS-Precautions		P210, P233, P240, P241, P242, P243, P264, P280, P303+P361+P353, P312, P330+P331+P332+P313		Muta. Cat.		-	
R phrase		11-36-66-67		Seveso II Cat.		7b	
S phrase		(2)-9-16-26-46		EC Index No.		606-001-00-8	
Hazard Symbol		F Xi		Kemler No.		33	
VbF		leichtentzündlich		UN-No.		1090	
				LÖK		3	



Highly flammable



Narcotic

New

Filling

Take out

Save

Derivates	
Derivates	Container
<a href="#">Aceton-d1</a>	<a href="#">found</a>
<a href="#">Aceton-d5</a>	<a href="#">nothing found</a>
<a href="#">Aceton-d6</a>	<a href="#">found</a>
<a href="#">Aceton-<sup>18</sup>O</a>	<a href="#">nothing found</a>
<a href="#">Aceton-[2-<sup>13</sup>C]</a>	<a href="#">nothing found</a>
<a href="#">Aceton-[1,3-<sup>13</sup>C<sub>2</sub>]</a>	<a href="#">nothing found</a>
<a href="#">Aceton-<sup>13</sup>C<sub>3</sub></a>	<a href="#">nothing found</a>
<a href="#">Acetone-2-14C</a>	<a href="#">nothing found</a>

## Details of specific container

Below the substnace details you will receive information of the container. Here you find the container name, the additional text, the inventory number, the status of the user, the location, the concentration, the original amount, the actual amount of fill, and muc more.


6



Transfer

### Details of specific container

100%



Fill level

Container name	Aceton-D6		
More Info			
Inventory-ID	12-200-0069-6	Size	10 mL
Status	Laboratory	Actual Quantity	10 mL
User	200 clakst10	Price	
Location	AUL-123-105a	Price per kg/L	0.00
Info	GFS 2 Fach 2	TypePriv	
Container	Glas bottle	Valid to	20.01.2013
Type	Commercial chemical	Checked	28.03.2012
Article	Own filling	Created	28.03.2012
Solvent	pure	Changed	03.04.2012
Concentration	99.9 %		
Checked by	200 clakst06		

## Safety Data Sheet - SDS

Among the details of the container you have the opportunity to view and save the safety data sheets of many chemicals directly from the database. To do this, click on the link " as pdf" and get the SDS in pdf format.

### Details of specific container

Container name			
More Info			
Inventory-ID	12-200-0030-6	Concentration	100 %
Status	Laboratory	Checked by	200 clakst15
User	200 clakst15	Size	2.5 L
Safety Data Sheet	<a href="#">as pdf</a>	Actual Quantity	2 L
MSDS Info	Attention ! This MSDS is made explicitly for a different item!	Price	
Location	AUL-123-31	Price per kg/L	0.00
Info		TypePriv	
Container	Glas bottle	Valid to	20.01.2013
Type	Commercial chemical	Checked	02.02.2012
Article	Own filling	Created	02.02.2012
Solvent	pure	Changed	02.02.2012

You get the Safety Data Sheet (SDS) also over your supplier or from the following links:

<http://www.gefahrstoffe-im-griff.de/9.htm>

<http://www.chemdb.de/>

[http://gestis.itrust.de/nxt/gateway.dll/gestis\\_de/000000.xml?f=templates\\$fn=default.htm\\$3.0](http://gestis.itrust.de/nxt/gateway.dll/gestis_de/000000.xml?f=templates$fn=default.htm$3.0)

## Combination search

Using the combination search you can search for specific container criteria.

In the top box you have the possibility to choose informations concerning hazard symbols (old or new by activation of the GHS-box above the middle) and select R, S, H and P-phrases, and combine these with other criteria by the link (And, Or, Exactly, Not). You can also select the category CMR (carcinogen, mutagen, reproduction toxicity).

The middle panel gives you the choice: VbF (Regulation of flammable liquids), WGK (Water Danger), Hazard ID (identification number of the risk according to ADR / RID) and the Seveso II Cat.

In the lower field you also have the opportunity to search for specific chemicals according to their group, user, location, date and status and a specific substance. This is also possible in combinations. This gives you the ability to create inventory lists for locations and users. You can create a list of all the containers by entering the groupnumber.

With the "Send" button you get a list with all suitable chemicals. Select the "Reset" button to revise your selection.

## Export of Chemical lists / inventory list

Chemical lists and inventory lists can be exported from the database and printed. For this please select the relevant chemicals, such as all the chemicals of the working group (enter "a" in the search container field) or select a location by using the combination search. The found according to the search chemicals are displayed. Then select at the top middle the file type in the list of chemicals to be exported from. You have to choose between PDF, XLS and CSV. By clicking on the button "Export" the specific file will be opened. Afterwards you can download and print the list.

Search substance    [To substance list](#)

Search container

Sort order

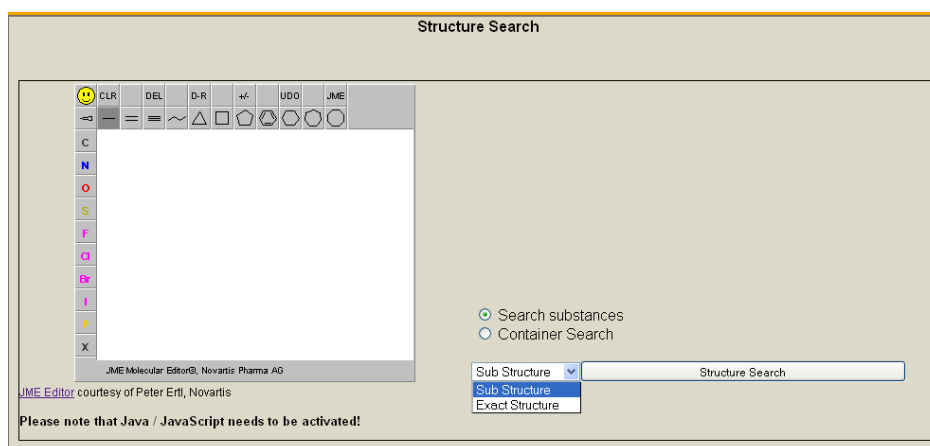
Container 1 of 129

**List of found containers for "a" (container attribute)**

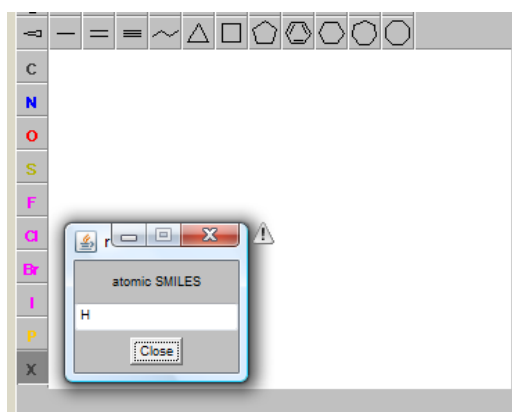
Inventory-ID	User	Container name	Filling	Location Info	Price Price per kg/L
<a href="#">12-200-0073-3</a>	<a href="#">200 clakstf10</a>	<a href="#">Aceton-d6</a>	10 ml/10 ml 100%	<a href="#">AUL-123-103</a> <a href="#">GFS 2 Fach3</a>	0.00
<a href="#">12-200-0069-6</a>	<a href="#">200 clakstf10</a>	<a href="#">Aceton-D6</a>	10 ml/10 ml 100%	<a href="#">AUL-123-105a</a> <a href="#">GFS 2 Fach 2</a>	0.00
<a href="#">12-200-0133-4</a>	<a href="#">200 clakstf10</a>	<a href="#">acetone</a>	1 l/1 l 100%	<a href="#">AUL-123-02</a> <a href="#">GS 1</a>	0.00
<a href="#">12-200-0134-1</a>	<a href="#">200 clakstf10</a>	<a href="#">acetone</a>	10 St/10 St 100%	<a href="#">AUL-123-22</a> <a href="#">2,5 L</a>	0.00
<a href="#">12-200-0059-0</a>	<a href="#">200 clakstf10</a>	<a href="#">Allethrin</a>	2,5 gr/5 g 50%	<a href="#">AUL-123-32</a> <a href="#">Reagf A-H</a>	0.00
<a href="#">12-200-0131-0</a>	<a href="#">200 clakstf10</a>	<a href="#">Benzol</a>	500 ml/1 l 50%	<a href="#">AUL-123-33</a> -	0.00
<a href="#">12-200-0128-0</a>	<a href="#">200 clakstf10</a>	<a href="#">Benzol</a>	1 l/1 l 100%	<a href="#">AUL-123-22</a> <a href="#">C 2 S2</a>	0.00
<a href="#">12-200-0075-7</a>	<a href="#">200 clakstf10</a>	<a href="#">Ciprofloxacin F-markiert</a>	5 mg/5 mg 100%	<a href="#">AUL-123-02c</a> <a href="#">KS 1 Fach 1</a>	0.00
<a href="#">12-200-0114-3</a>	<a href="#">200 clakstf10</a>	<a href="#">Kleber</a>	200 mg/200 mg 100%	<a href="#">AUL-123-02</a> -	0.00

## Structure search

With the help of the structure search, you can draw the structural formula of the desired chemical and search in the database for substances and containers. You have the choice to look after the "Exact Structure" or the "Sub Structure" by clicking on the arrow button behind "Sub Structure". You receive the found according to the search by clicking on the button "Structure Search". Please note that the Java and Java Script needs to be activated.

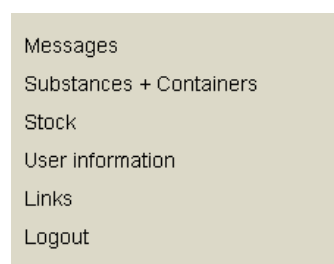


For the "X" at the bottom left you can select any element. For this purpose, please make a right-click on the "X". Then enter the element symbol, and confirm the "Close" button.



## Logout

Please click on the "Logout" button to log out successfully.



## Language

By clicking on the Anglo-American flag, you can switch to English mode. By clicking on the German flag, go to the German mode.



## Questions / Help / Contact

For problems or questions, please contact your administrator.