

 JUSTUS-LIEBIG- UNIVERSITÄT GIESSEN	CLAKS Online	Handbook for Students - Read access -
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CLAKS Online

Manual for the Web client

Handbook for Students

- Read access-

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Registration

Website: <http://134.176.7.131/CLAKS-Online/index.php>


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

CLAKS Online Anmeldung

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

Menu



Your menu looks like this:



- Messages
- Substances + Containers
- Stock
- User information
- Links
- Logout

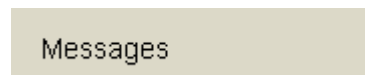
- 200 clakst10

- Information-Link
- [ADMINLINK](#)
- Administrator-Mail
- [ADMINMAIL](#)

Messages

Here you can find 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

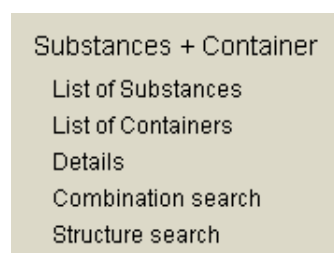
CLAKS Online Anmeldung

Benutzername:

Passwort:

Substances and Container

Among substances and containers, there are several options:



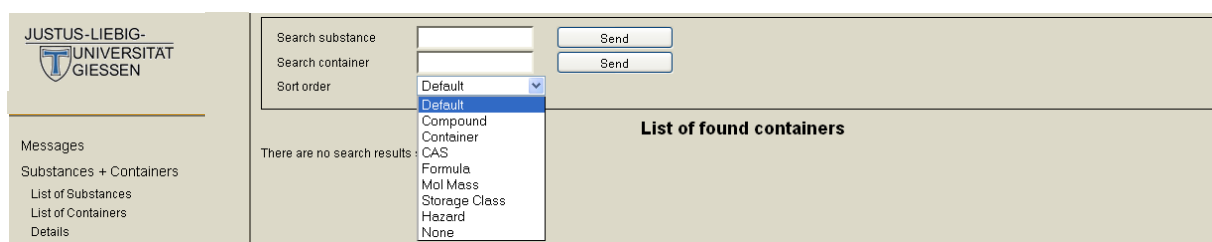
Distinction between substances and containers

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.



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.



Messages

Substances + Containers

List of Substances

List of Containers

Details

Combined search

Structure search

Search substance: [To substance list](#)

Search container: PDF format:


Sort order:

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

Inventory-ID	User	Container name	Filling	Location Info	Price Price per kgL
12-000-0002-9	200 clakst07	Benzol	1 l/l 100%	AUL-123-02	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.



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Substances + Containers

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List of Containers

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Information-Link

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Administrator-Mail














[ADMINMAIL](#)

Search substance: Substance 1 of 266

Search container: PDF format: [To container list](#)

Sort order:


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

Substance	CAS-number	Molecular formula Molecular mass	R phrase S phrase	Hazard Symbol	GHS data
Aceton	67-64-1	C₃H₆O 58.079 g/mol	11-36-66-67 (2)-9-16-26-46		
Aceton-d1	4468-52-4	C₃H₅DO 59.085 g/mol	11-36-66-67 (2)-9-16-26-46		
Aceton-d6	866-52-4	C₃D₆O 64.116 g/mol	11-36-66-67 (2)-9-16-26-46		
3-Brom-1,1,1-trifluoracetone	431-35-6	C₂H₃BrF₃O 190.947 g/mol	11-34-37 16-26-36/37/39-45		
3-Buten-2-one, 4-(4-chlorophenyl)-	3160-40-5	C₁₀H₉ClO 180.631 g/mol	-		
Dibenzylidenacetone	35225-79-7	C₁₇H₁₄O 234.292 g/mol	-		
2,2-Dimethoxypropane	77-76-9	C₆H₁₂O₂ 104.148 g/mol	11-36 26		
Hex-5-en-2-on	109-49-9	C₈H₁₄O 98.143 g/mol	10 16		
Hexafluoro-2-propanone sesquihydrate	13098-39-0	C₃H₆F₁₂O₆ 386.090 g/mol	24/25-36/37/38 26-36/37/39		

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.



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List of Substances
List of Containers
Details
Combined search
Structure search
Stock
User information

Search substance
Search container
Sort order

acetone
Default

Send
Send
Export
PDF format


[To substance list](#)

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

Inventory-ID	User	Container name	Filling	Location Info	Price Price per kg/L
12-200-0069-6	200 clakst10	Aceton-D6	10 ml/10 ml 100%	AUL-123-105a GFS 2 Fach 2	0.00
12-200-0060-3	200 clakst03	Aceton	1 l/2 l 50%	AUL-123-01 -	0.00
12-200-0070-2	200 clakst03	Aceton-D6	10 ml/10 ml 100%	AUL-123-105a 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 "Compound" or "Container" instead of "Default".



Messages
Substances + Containers
List of Substances
List of Containers
Details
Combined search

Search substance
Search container
Sort order

Default

Send
Send

Default
Compound
Container
CAS
Formula
Mol Mass
Storage Class
Hazard
None

There are no search results

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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Messages

Substances + Containers

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

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Information-Link
[ADMINLINK](#)

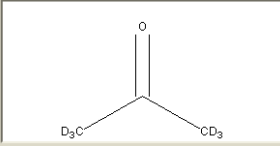
Search substance


Search container

Sort order

Substance 1 of 3

Container 1 of 1
total 1 of 3





Details of the specific substance

Substance	Aceton-d6		
Molecular formula	C ₃ D ₆ 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 ³		

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	Muta. Cat.	-
		Repr. Cat.	-
R phrase	11-36-66-67	Seveso II Cat.	7b
S phrase	(Z)-9-16-26-46		
Hazard Symbol	F Xi	EC Index No.	606-001-00-8
VbF	leichtentzündlich	Kemler No.	33
		UN-No.	1090
		LOK	3

Derivates	
Derivates	Container
Aceton-d1	found
Aceton-d5	nothing found
Aceton-d6	found
Aceton-¹⁸O	nothing found
Aceton-[2-¹³C]	nothing found
Aceton-[1,3-¹³C₂]	nothing found
Aceton-¹³C₃	nothing found
Acetone-2-14C	nothing found

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.

100%

Fill level

Details of specific container

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		
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	as pdf	Actual Quantity	2 L
MSDS Info	Attention ! This MSDS is made explicitly for a different item!		
Location	AUL-123-31	Price per kg/L	0.00
Info			
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













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).

Combined Search

Hazard Symbol And <input type="checkbox"/> GHS		R phrase <input type="text"/> And
<input type="checkbox"/> Unknown Hazards 	<input type="checkbox"/> Exploding bomb 	S phrase <input type="text"/> And
<input type="checkbox"/> Flame 	<input type="checkbox"/> Flame over circle 	GHS-Hazards <input type="text"/> And
<input type="checkbox"/> Gas cylinder 	<input type="checkbox"/> Corrosion 	GHS-Precautions <input type="text"/> And
<input type="checkbox"/> Skull and crossbones 	<input type="checkbox"/> Exclamation mark 	CMR-Category <input type="text"/>
<input type="checkbox"/> Health hazard 	<input type="checkbox"/> Environment 	
<input type="checkbox"/> Radioactivity 	<input type="checkbox"/> Biohazard 	

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.

VbF	<input type="text"/>
WGK	<input type="text"/>
Kemler No.	<input type="text"/>
Seveso II Cat.	<input type="text"/>

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.

Group	User	Location
<input type="text"/>	<input type="text"/>	<input type="text"/>
Date		
<input type="text"/>	<input type="text"/>	
Status	Search substance	Sort order
<input type="text"/>	<input type="text"/>	<input type="text"/>
Send		Reset

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
 Search container
 Sort order

Default

Send
 Send

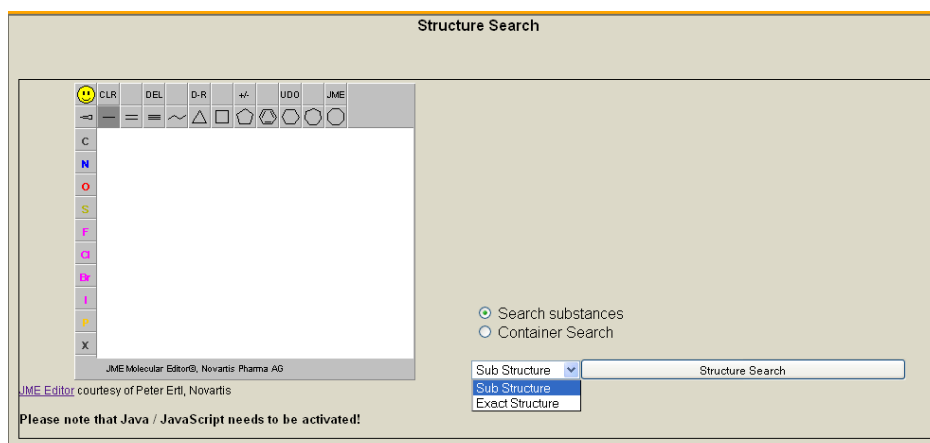
Export
 PDF format
 XLS
 CSV format
 PDF format

[To substance list](#)
 Container 1 of 129

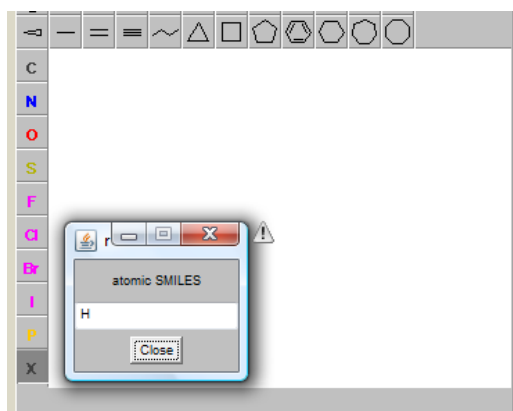
Inventory-ID	User	Container name	Filling	Location Info	Price Price per kg/L
12-200-0073-3	200 clakst10	Aceton-D6	10 ml/10 ml 100%	AUL-123-103 GFS 2 Fach3	0.00
12-200-0069-6	200 clakst10	Aceton-D6	10 ml/10 ml 100%	AUL-123-105a GFS 2 Fach 2	0.00
12-200-0133-4	200 clakst10	acetone	1 l/1 l 100%	AUL-123-02 GS 1	0.00
12-200-0134-1	200 clakst10	acetone	10 SW10 St 100%	AUL-123-22 2.5 L	0.00
12-200-0058-0	200 clakst10	Allethrin	2.5 g/5 g 50%	AUL-123-32 Reag1 A-H	0.00
12-200-0131-0	200 clakst10	Benzol	500 ml/1 l 50%	AUL-123-33 -	0.00
12-200-0128-0	200 clakst10	Benzol	1 l/1 l 100%	AUL-123-22 C 2 S2	0.00
12-200-0075-7	200 clakst10	Ciprofloxacin F-markiert	5 mg/5 mg 100%	AUL-123-02c KS 1 Fach 1	0.00
12-200-0114-3	200 clakst10	Kleber	200 mg/200 mg 100%	AUL-123-02 -	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.

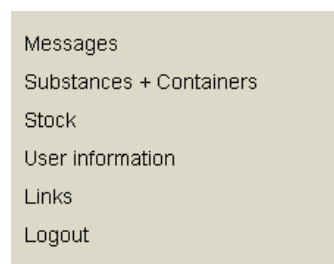


For the "X" at the bottom left you can select any element. For this purpose, please make a right-click on the "X". Then enter the element symbol, and confirm the "Close" button.



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. This is accessible at the following e-mail address: claks@admin.uni-giessen.de.