



Substance Registry Services End User Guide for Substance Search

**Data Management Services Division
EPA / Office of Environmental Information**

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1 Introduction

This document serves as a guide for the search function of the Substance Registry Services (SRS) for the end user. The SRS is the Environmental Protection Agency's (EPA) central system for information about substances that are tracked or regulated by EPA or other sources. It is the authoritative resource for basic information about chemicals, biological organisms, and other substances of interest to EPA and its federal, state and tribal partners. The system provides a common basis for identification of, and information about, chemicals, biological organisms, physical properties, and various miscellaneous objects. This document provides instructions for the information scientists, subject matter experts and managers who wish to access substance data from SRS.

All functions are accessible from the [the SRS homepage \(www.epa.gov/srs\)](http://www.epa.gov/srs).

2 Search by Substance Name or Identifier

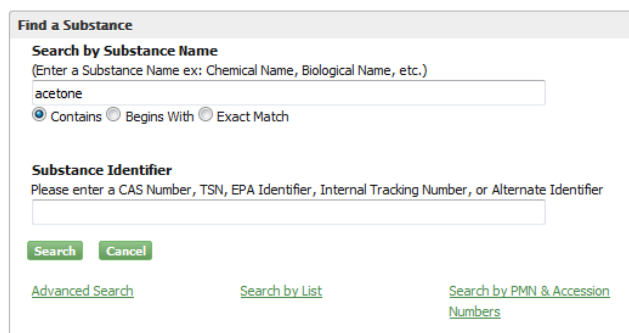
The basic SRS search supports searching by Substance Name or identifier. Substance Names are chemical or biological names, the EPA Registry Name or other synonym. Substance Identifiers include Chemical Abstract Service (CAS) Numbers, Taxonomic Serial Numbers (TSN) <http://www.itis.gov>, EPA Identifiers, Internal Tracking Numbers, or other Alternate Identifiers.

2.1 Basic Search

The basic substance search has these steps:

1. Enter a Substance Name and select the appropriate search type represented by the radial buttons: Contains, Begins With, Exact Match. Contains is the default.
2. Or, enter a Substance Identifier.
3. Click Search.

Fig. 1 shows the results for a search on the word “acetone”



Find a Substance

Search by Substance Name
(Enter a Substance Name ex: Chemical Name, Biological Name, etc.)

acetone

Contains Begins With Exact Match

Substance Identifier
Please enter a CAS Number, TSN, EPA Identifier, Internal Tracking Number, or Alternate Identifier

[Advanced Search](#) [Search by List](#) [Search by PMN & Accession Numbers](#)

Fig. 1 SRS Find a Substance Search Box

The results are displayed along with the options to refine your search further using keywords or to export all or selected results (see Fig. 2).

Substance Search Results

About **Search & Retrieve** Automated Services References ?

Search Results
Enter keyword(s) below to refine search
cyclohexane

[Back to Substance Search](#)

Search Terms (Contains): acetone; Substance Identifier: ; Substance Type: All;

119 results found (Export options: Excel | XML | PDF | RTF) 1 of 5 pages Results per page: 25

Search and Retrieve Substance Report

<input type="checkbox"/> Substance Name	Common Name	CAS Number	Taxonomic Serial Number
<input type="checkbox"/> Acetone mixt. with isopropanol			
<input type="checkbox"/> Acetone oils			
<input type="checkbox"/> Acetone, cyclohexane, alcohol, ether mix			
<input type="checkbox"/> Acetone, mixt. with cyclohexane and isopropanol			
<input type="checkbox"/> Methanol, mixt. with 2-propanol and 2-propanone	Acetone mixt. with isopropanol and methanol		
<input type="checkbox"/> 2-Propanone, mixt. with naphtha	Acetone mixt. with naphtha		
<input type="checkbox"/> 2-Propanone, mixt. with methybenzene	Acetone mixt. with toluene		

Fig. 2 Substance Search Results

2.2 Filter by Keyword

A keyword is a single string of characters that occurs in the Substance Name. To filter by a keyword, enter the term in the box and press filter. In Figure 3, the keyword “cyclohexane” is added to filter results to include only those substances with that term. The page refreshes and only those substances with that keyword are displayed. Click on “Return to Results” to return to the unfiltered results.

Search Results
Enter keyword(s) below to refine search
cyclohexane

[Back to Home Page](#)

Search Terms (Contains): acetone; Substance Identifier: ; Substance Type: All;

3 results found (Export options: Excel | XML | PDF | RTF) 1 of 1 pages Results per page: 25

Search and Retrieve Substance Report

<input type="checkbox"/> Substance Name	Common Name	CAS Number	Taxonomic Serial Number
<input checked="" type="checkbox"/> Acetone, cyclohexane, alcohol, ether mix			
<input type="checkbox"/> Acetone, mixt. with cyclohexane and isopropanol			
<input type="checkbox"/> 1,3-Benzenedicarboxylic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediol, acetone oxime-blocked	1,3-Benzenedicarboxylic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediol, acetone oxime-blocked	117500-34-2	

3 results found (Export options: Excel | XML | PDF | RTF) 1 of 1 pages Results per page: 25

[Back to Home Page](#)

Fig. 3 Filtered Search Results

2.3 Export Search Results

One or more results can be exported in Excel, XML, PDF or RTF (Rich Text Format). Select all results by checking the box to the left of “Substance Name”, or select one or more specific substance records for export by clicking on one or more check boxes to the left of the name in the Substance Name column (see Fig. 3). To deselect all, click the box to the left of the column heading labeled Substance Name.

2.4 View Metadata and Substance Details

To view standard metadata and associated list information, click on the name itself. The standard metadata returned for these substances includes: Systematic Name, Common Name, CAS Number, and Taxonomic Serial Number (for biological substances only).

To view the substance details, click the selected Substance Name link. The Substance Details page provides additional information or links to pages about health information, chemical structure, and relevant EPA regulations and programs.

For example, clicking on the substance “Acetone, cyclohexane, alcohol and ether mix” accesses the Substance Details page shown in Figs. 4, 5 and 6.

Substance Registry Services (SRS)

Acetone, cyclohexane, alcohol, ether mix

[Back to Search Results](#) [Back to Home Page](#)

Substance Details

Internal Tracking Number: 777391

Substance Status: Approved

Substance Type: Chemical Substance

Systematic Name: Acetone, cyclohexane, alcohol, ether mix

[Show More Metadata](#)

For more information about the substance, you may click one of the links below to take you to the relevant section:

- Health information about this substance
- Program and regulatory information about this substance, including links to EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance
- Information about related substances

Health and Other Scientific Information

The following list includes links related to the selected substance. Some of the following links exit EPA's site.

References

[Tetra Toxicity Estimate - View Chemical Report](#)

[Tetra Toxicity Estimate - View Chemical Report](#)

[Top of Page](#)

Fig. 4 Top Part of Substance Details Page

Program and Regulatory Information

Statutes/Regulations

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

There are no Synonyms of this type.

EPA Applications/Systems

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

+	+	+	+	+	+
	EPA Applications/Systems	Synonym	Synonym Quality	Effective Date	End Date
*	ERNS	Acetone, cyclohexane, alcohol, ether mix	Valid		

Other Sources

Below are the EPA applications/systems, statutes/regulations, or other sources that track or regulate this substance. This table shows how each list refers to the substance. To view more metadata about the specific Synonym, click on the Synonym.

Fig. 5 Middle Part of Substance Details Page

There are no Synonyms of this type.

Ad Hoc List There are no Synonyms of this type.

Additional Synonyms

+	+	+	+	+	
	Additional Synonyms	Synonym	Synonym Quality	Effective Date	End Date
	EPA	Acetone, cyclohexane, alcohol, ether mix	Valid	10/06/2000	

To associate this substance to a statute/regulation, application/system, other source, ad hoc list or to add a new Synonym, click the "Add Substance to List" button.

[Add Substance to List](#)

[Top of Page](#)

Related Substances

This substance is not a component of any other substance.

Fig. 6 Bottom Part of Substance Details Page

To see more metadata, click the Show More Metadata link (see Fig. 4). The results of the metadata expansion are shown in the right panel in Fig. 7.

Acetone, cyclohexane, alcohol, ether mix

[Back to Substance Search Results](#)

To learn more about this substance, click the images below to see additional information about each section.

- [Health information about this substance](#)
- [Program and regulatory information about this substance, including links to EPA applications/systems, statues/regulations, or other sources that track or regulate this substance](#)
- [Information about related substances](#)

[View and print a PDF of this substance's Details Report](#)
[Delete Substance Permanently](#)
[Request Changes to Substance Metadata](#)

Substance Details
Internal Tracking Number: 777391
Substance Status: Approved
Substance Type: Chemical Substance
Systematic Name: Acetone, cyclohexane, alcohol, ether mix
Associated Identifiers
This section provides other identifiers associated with this substance, including former CAS numbers, incorrectly used CAS numbers, and retired EPA Identifiers.
Incorrectly Used CAS Number(s) 67-64-1, 110-82-7
Structure
There is no structure information for this substance.
Systematic Name List: Environmental Protection Agency Data Systems
EPA Identification Number: E777391
Hide Extra Metadata

Fig. 7 Metadata Expansion

There are also a variety of output options for the Substance Details Report including a view or print of a PDF version.

3 Advanced Search

The advanced search provides Boolean search capability and is only available on the public interface. This can be accessed from the main page by clicking the Advanced Search link, below the Search by Substance box (see Fig. 8).

Chemical and Substance Resources

Find a Substance

Search by Substance Name
(Enter a Substance Name ex: Chemical Name, Biological Name, etc.)

Contains Begins With Exact Match

Substance Identifier
Please enter a CAS Number, TSN, EPA Identifier, Internal Tracking Number, or Alternate Identifier

[Advanced Search](#) [Search by List](#) [Search by PMN & Accession Numbers](#)

Fig. 8 Advanced Search Link

Fig. 9 shows the Advanced Search screen with the Criteria Type drop down list open. Advanced Search allows you to specifically search for any of the following criteria: Synonym, Substance Type, List Name, CAS Number, TSN, EPA Identification Number, Alternate Identifier, Classification, Characteristic or

Reason for regulation. The search options will depend on the criteria type selected; some criteria such as type and characteristic have drop down pick lists, while others such as Synonym are free form entry fields. For these criteria, radial buttons allow results to be filtered by Contains, Begins With, Exact Match, or a case sensitive Exact Match. The default is Contains. It also allows for return of records by Substance With Components, Substance Without Components or Both. The default is Both.

Search and Retrieve

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Advanced Search

To search, select a Criteria Type and a Criteria. For searches using Criteria Types: Classification, Characteristic, or Reason for Regulation, select the Criteria from the drop down box. For searches using Criteria Type: List Name, use the Filter button to narrow the choices in the text box.

You must select either the "Add Expression AND" or the "Add Expression OR" button before selecting the Search button or before selecting a new Criteria Type and Criteria. "Add Expression AND" creates an intersection between two search criteria. "Add Expression OR" creates a union between two search criteria.

Advanced Search

Criteria Type [Dropdown]

Criteria [Text Box]

Return

Exact Match Exact Match (Case Sensitive) Substance Without Components Both

Fig. 9 Advanced Search

Figure 10 shows how to combine criteria with Boolean and/or operators to develop more precise search strategies. In this case a search for synonyms containing "Acetone" is being combined with another criteria using the "Add Expression AND" button.

Advanced Search

To search, select a Criteria Type and a Criteria. For searches using Criteria Types: Classification, Characteristic, or Reason for Regulation, select the Criteria from the drop down box. For searches using Criteria Type: List Name, use the Filter button to narrow the choices in the text box.

You must select either the "Add Expression AND" or the "Add Expression OR" button before selecting the Search button or before selecting a new Criteria Type and Criteria. "Add Expression AND" creates an intersection between two search criteria. "Add Expression OR" creates a union between two search criteria.

The screenshot shows the 'Advanced Search' interface. At the top, there is a 'Search Expression' table with the following content:

Select	Expression	And/Or
<input type="checkbox"/>	Synonym contains "Acetone"	AND

Below the table is a 'Remove' button. Underneath, there are three sections: 'Criteria Type' with a dropdown menu, 'Criteria' with a text input field and four radio buttons (Contains, Begins With, Exact Match, Exact Match (Case Sensitive)), and 'Return' with three radio buttons (Substance With Components, Substance Without Components, Both). At the bottom, there are two buttons: 'Add Expression AND' and 'Add Expression OR'. At the very bottom, there are two buttons: 'Search' and 'Back to Chemical Resource Directory'.

Fig. 10 Advanced Search Expression

To use the Advanced Search feature

1. Select Criteria Type.
2. Select the Criteria from the pick list.
3. If displayed for the selected criteria type, select one of the four Criteria Radial Buttons: Contains; Begins With; Exact Match; Exact Match (Case Sensitive). Contains is the default.
4. If displayed for the selected criteria type, select one of the three Components Radial Buttons: Substances with Components; Substances without Components; Both. Both is the default.
5. Select the Add Expression ADD or the Add Expression OR button to create a more complex Boolean search and enter the remaining criteria.
6. Press Search

The results are displayed as shown in Fig. 11.

Search & Retrieve

[About](#)
[Search & Retrieve](#)
[Automated Services](#)
[References](#)

Advanced Search Results

Search Expression: Synonym contains "acetone" AND Synonym contains "cyclohexane" AND

3 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#))

Page 1 of 1

Substance Name	Common Name	CAS Number
Acetone, cyclohexane, alcohol, ether mix		
Acetone, mixt. with cyclohexane and isopropanol		
1,3-Benzenedicarboxylic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2,4-(or 2,4,4)-trimethyl-1,6-hexanediol, acetone oxime-blocked	1,3-Benzenedicarboxylic acid, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediol, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane and 2,2,4-(or 2,4,4)-trimethyl-1,6-hexanediol, acetone oxime-blocked	117500-34-2

Export Options

[Export Synonym Info](#)

[Back to Search](#)
[Cancel](#)
[Back to Home Page](#)

Fig. 11 Advanced Search Results

4 Search by Substance List and List Record Retrieval

Using the basic and advanced search you can find which lists are associated with a certain record. However, you may be more concerned with what records are included on or associated with certain individual lists. Perhaps you wish to perform a substance search limited to a certain list. You may also want to obtain a complete list of records contained within a given list. Using certain functions within the SRS search, it is possible to retrieve one, some or all records for a selected list, and view them. Use the following instructions to see the different methods possible.

4.1 Search by Substance List

The Search by List function allows you to limit the scope of your search to just one list. It works just like the basic search, but only applies to one specific list of your choice. The first step is to click on the Search by list link on the SRS home page as seen in Fig 12.

Chemical and Substance Resources

Find a Substance

Search by Substance Name
(Enter a Substance Name ex: Chemical Name, Biological Name, etc.)

Contains
 Begins With
 Exact Match

Substance Identifier
Please enter a CAS Number, TSN, EPA Identifier, Internal Tracking Number, or Alternate Identifier

[Advanced Search](#)
[Search by List](#)
[Search by PMN & Accession Numbers](#)

Fig. 12 Search by List Link

This page limits the subsequent searches to a specific list. For example, to check the "Great Lakes Environmental Database" for "Aluminum", scroll down the menu to select the Great Lakes list as seen in Fig 13. In addition to scrolling the list, the filter option can be used to search for a specific word in the

list name. This will narrow the list names to only those containing that word, and may make it easier to find the appropriate list.

Search and Retrieve


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search by List

o search, you must select a list name. Choose additional search criteria to narrow your selection. Then press the Search button.

List Information

Please select a list from the menu below. This may be an EPA application/system, statute/regulation, ad hoc, or other external list that contains substance data. To select a list, enter a list name (or acronym), then click "Filter" to narrow the number of lists displayed below.

* List Name 

After clicking "Filter," select the list you would like to search on by clicking it.

FDA (14290) - Food and Drug Administration Substance Registry
FIFRA-Inerts (2198) - Inert Ingredients in Pesticide Products
GCES (32047) - Green Chemistry Expert System
GLENDIA (457) - Great Lakes Environmental Database
GLFMP (50) - Great Lakes Fish Monitoring Program
GRTS (61) - Section 319 Grants Reporting and Tracking System




Fig. 13 List scroll down menu


* List Name

After clicking "Filter," select the list you would like to search on by clicking it.

FDA (14290) - Food and Drug Administration Substance Registry
FIFRA-Inerts (2198) - Inert Ingredients in Pesticide Products
GCES (32047) - Green Chemistry Expert System
GLENDIA (457) - Great Lakes Environmental Database
GLFMP (50) - Great Lakes Fish Monitoring Program
GRTS (61) - Section 319 Grants Reporting and Tracking System

Advanced Search Criteria

Please enter a CAS Name, Biological Name, EPA Registry Name or other Synonym

Aluminum 

Contains Begins With Exact Match

Please enter a CAS Number, TSN, or EPA Identifier

Narrow your Search by identifying whether the Substance is a Chemical, Biological Organism, Physical Property, Miscellaneous Object, or Not Known

Substance Type

Return Substance With Components Substance Without Components Both

Characteristics

Return Current Substances Only Pending Substances Only Both Pending and Current Substances

Alternate Identifiers

To Search by Alternate Identifier, please select an Alternate Identifier Context.

Alternate Identifier

Alternate Identifier Context

Fig. 14 Search by List Synonym search

The next step is to perform a search for a record as described in Section 2. This will display results for your search, but will only return results from your specific list as seen in Fig. 15.

Search by List Results

List Name: [GLEND A - Great Lakes Environmental Database](#); **Synonym** : Aluminum; **Substance Identifier**: N/A; **Substance Type**: All; **Characteristics**: None; **Substances To Return**: Both Pending and Current Substances; **Alternate Identifier**: N/A; **Alternate Identifier Context**: N/A

Export Options

[Export List Information](#); [Export Core Metadata for List](#); [Export Synonym Info](#)

1 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#)) Page 1 of 1 Results per page: 25

↕ Synonym	↕ Name Quality	↕ Substance Name	↕ Registry Name	↕ CAS	↕ TSN	↕ EPA ID	↕ ITN
Aluminum	Valid	Aluminum	Aluminum	7429-90-5			149476

[Back to List Search](#) [Back to Chemical Resource Directory](#)

Fig. 15 Search by List results for Aluminium

A search on the same list using a broader term like “Aroclor” retrieves multiple substance results (see Fig. 16).

Search by List Results

List Name: [GLEND A - Great Lakes Environmental Database](#); **Synonym** : Aroclor; **Substance Identifier**: N/A; **Substance Type**: All; **Characteristics**: None; **Substances To Return**: Both Pending and Current Substances; **Alternate Identifier**: N/A; **Alternate Identifier Context**: N/A

Export Options

[Export List Information](#); [Export Core Metadata for List](#); [Export Synonym Info](#)

14 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#)) Page 1 of 1 Results per page: 25

↕ Synonym	↕ Name Quality	↕ Substance Name	↕ Registry Name	↕ CAS	↕ TSN	↕ EPA ID	↕ ITN
Polychlorinated biphenyl (Aroclor 1016)	Valid	Aroclor 1016	Aroclor 1016	12674-11-2			182782
Polychlorinated biphenyl (Aroclor 1221)	Valid	Aroclor 1221	Aroclor 1221	11104-28-2			173153
Polychlorinated biphenyl (Aroclor 1232)	Valid	Aroclor 1232	Aroclor 1232	11141-16-5			173583
Polychlorinated biphenyl (Aroclor 1240)	Valid	Aroclor 1240	Aroclor 1240	71328-89-7			542282
Polychlorinated biphenyl (Aroclor 1262)	Valid	Aroclor 1262	Aroclor 1262	37324-23-5			274183
Polychlorinated biphenyl (Aroclor 1268)	Valid	Aroclor 1268	Aroclor 1268	11100-14-4			173120
Polychlorinated biphenyl (Aroclor 4465)	Valid	Aroclor 4465	Aroclor 4465	11120-29-9			710665
Polychlorinated triphenyl (Aroclor 5442)	Valid	Aroclor 5442	Aroclor 5442	12642-23-8			182600
Polychlorinated triphenyl (Aroclor 5460)	Valid	Aroclor 5460	Aroclor 5460	11126-42-4			173427
Polychlorinated biphenyl (Aroclor 1254)	Valid	1,1'-Biphenyl, chloro-	Monochlorobiphenyl	27323-18-8			245282
Polychlorinated biphenyl (Aroclor 1242)	Valid	PCB 1242	Aroclor 1242	53469-21-9			298950
Polychlorinated biphenyl (Aroclor 1248)	Valid	PCB 1248	Aroclor 1248	12672-29-6			182766
Polychlorinated biphenyl (Aroclor 1254)	Valid	PCB 1254	Aroclor 1254	11097-69-1			173047
Polychlorinated biphenyl (Aroclor 1260)	Valid	PCB 1260	Aroclor 1260	11096-82-5			173021

[Back to List Search](#) [Back to Chemical Resource Directory](#)

Fig.16 Results for Aroclor in a search of the GLEND A list

As described in Section 2, you can select the specific record to view the record’s data. The metadata can be exported for these results by using the links at the top of the results. Select a link for Excel, XML, PDF or RTF formats as seen in Fig.17.

Search by List Results

List Name: GLEND - Great Lakes Environmental Database; Synonym : Aroclor; Substance Identifier: N/A; Substance Type: All; Characteristics: None; Substances Return: Both Pending and Current Substances; Alternate Identifier: N/A; Alternate Identifier Context: N/A

Export Options

[Export List Information](#); [Export Core Metadata for List](#); [Export Synonym Info](#)

4 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#)) Page 1 of 1 Results per page: 25

Synonym	Name Quality	Substance Name	Registry Name	CAS	TSN	EPA ID	ITN
Polychlorinated biphenyl (Aroclor 1016)	Valid	Aroclor 1016	Aroclor 1016	12674-11-2			182782
Polychlorinated biphenyl (Aroclor 1221)	Valid	Aroclor 1221	Aroclor 1221	11104-28-2			173153
Polychlorinated biphenyl (Aroclor 1232)	Valid	Aroclor 1232	Aroclor 1232	11141-16-5			173583

Fig. 17 Export Search by list results

4.2 Find All Records for a Substance List

To find all records associated with a particular list, return to the SRS home page and then select the Search by List page. Select the list following the instructions in 4.1, but do not enter anything in the search box. A blank search returns all the records for that list. Fig. 18 shows results from a blank search of “Great Lakes Environmental Database.”

Search by List Results

List Name: GLEND - Great Lakes Environmental Database; Synonym : N/A; Substance Identifier: N/A; Substance Type: All; Characteristics: None; Substances To Return: Both Pending and Current Substances; Alternate Identifier: N/A; Alternate Identifier Context: N/A

Export Options

[Export List Information](#); [Export Core Metadata for List](#); [Export Synonym Info](#)

458 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#)) Page 1 of 19 Results per page: 25

Synonym	Name Quality	Substance Name	Registry Name	CAS	TSN	EPA ID	ITN
Acenaphthylene	Misspelled	Acenaphthylene	Acenaphthylene	208-96-8			40717
Acenaphthene	Misspelled	Acenaphthylene, 1,2-dihydro-	Acenaphthene	83-32-9			9555
Acetic acid, zinc(II) salt	Valid	Acetic acid, zinc salt (2:1)	Zinc acetate	557-34-6			54262
Zinc acetate dihydrate	Valid	Acetic acid, zinc salt, dihydrate	Zinc acetate dihydrate	5970-45-6			710236
Aluminum	Valid	Aluminum	Aluminum	7429-90-5			149476
Ammonia	Valid	Ammonia	Ammonia	7664-41-7			152389
Ammonium ion	Valid	Ammonium	Ammonium	14798-03-9			197202
Anthracene	Valid	Anthracene	Anthracene	120-12-7			31013
Antimony	Valid	Antimony	Antimony	7440-36-0			149963
Polychlorinated biphenyl (Aroclor 1016)	Valid	Aroclor 1016	Aroclor 1016	12674-11-2			182782
Polychlorinated biphenyl (Aroclor 1221)	Valid	Aroclor 1221	Aroclor 1221	11104-28-2			173153
Polychlorinated biphenyl (Aroclor 1232)	Valid	Aroclor 1232	Aroclor 1232	11141-16-5			173583
Polychlorinated biphenyl (Aroclor 1240)	Valid	Aroclor 1240	Aroclor 1240	71328-89-7			542282
Polychlorinated biphenyl (Aroclor 1262)	Valid	Aroclor 1262	Aroclor 1262	37324-23-5			274183
Polychlorinated biphenyl (Aroclor 1268)	Valid	Aroclor 1268	Aroclor 1268	11100-14-4			173120
Polychlorinated biphenyl (Aroclor 4465)	Valid	Aroclor 4465	Aroclor 4465	11120-29-9			710665
Polychlorinated triphenyl (Aroclor 5442)	Valid	Aroclor 5442	Aroclor 5442	12642-23-8			182600
Polychlorinated triphenyl (Aroclor 5460)	Valid	Aroclor 5460	Aroclor 5460	11126-42-4			173427
Arsenic	Valid	Arsenic	Arsenic	7440-38-2			149989
L-Ascorbic	Valid	L-Ascorbic acid	Ascorbic acid	50-81-7			1214
Barium	Valid	Barium	Barium	7440-39-3			149997
Benz(a)anthracene	Valid	Benz(a)anthracene	Benz(a)anthracene	56-55-3			2212
Benz(e)acephenanthrylene	Valid	Benz(e)acephenanthrylene	Benzo(b)fluoranthene	205-99-2			40683
Aniline, o-nitro-	Valid	Benzenamine, 2-nitro-	o-Nitroaniline	88-74-4			11999
Aniline, m-nitro-	Valid	Benzenamine, 3-nitro-	m-Nitroaniline	99-09-2			18507

Fig. 18 All records contained within a list

The initial display is limited to the first 25 results for this list. Use the page slider at the top to change the page, or the Results per page drop down menu to alter the number of records in a display.

Note: If you try to view the records for a list that exceeds 1500 records you will get the following message:

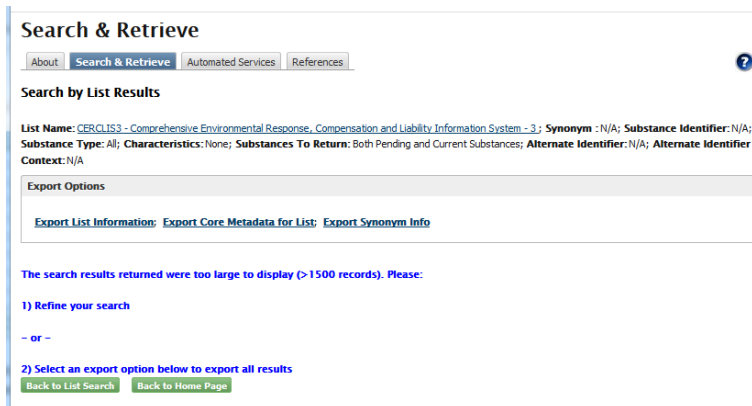


Fig. 19. Search results too large to display

The complete list of records can still be obtained by downloading a .CSV file containing a table with all the records for this list. To obtain this table, use the “Export Core Metadata for List” option in the Export Options box on the search results page (see Fig. 20). This will download a file that can be opened in Excel, including the following fields for each record: Internal Tracking Number, CAS#, EPA ID#, TSN#, Substance Name, Substance Name List, Registry Name, Registry Name List, Synonym Effective Date, Synonym End Date, Definition, Comments, Retired CAS#, Incorrect CAS#, Structural Notation Type, Structural Notation, and Related Links. See Fig. 21.

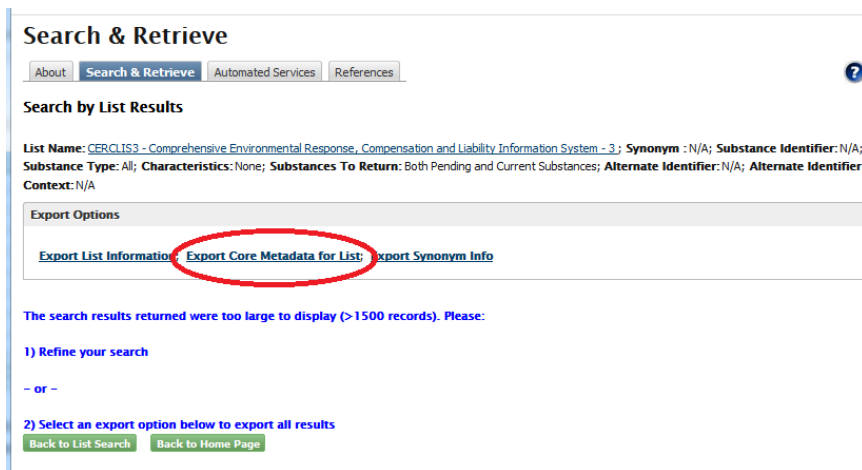


Fig. 20 Export Core Metadata

Internal Tracking Number	CAS #	EPA ID #	TSN #	Substance Name	Substance Name List	Registry Name	Synonym Name	Synonym	Definition	Comment	Retired	Incorrect (Structural)	Structural	Related Links	
16410	95807			1,3-Benzenediamine	Chemical Abstracts II	2,4-Toluene	Chemical Identification				85898880,	25376458	SMILES	Nc1c(ccc(c1	[Name: Hazarc
17002189	72333			19-Norpregna-1,3,5-triene	Chemical Abstracts II	Mestranol	Chemical Identification						SMILES	COc1ccc2c(c1	[Name: Chemi
5538	75354			Ethene, 1,1-dichloro	Chemical Abstracts II	1,1-Dichloroethene	Chemical Identification						SMILES	C(=C)(Cl)C	[Name: Hazarc
121491	4098719			Cyclohexane, 5-isopropyl	Chemical Abstracts II	Isophorone	Chemical Identification				26602937,	158750302	SMILES	O=C=NCC	[Name: NIOSH
221978	22481487			Radon, isotope of	Chemical Abstracts II	Radon-222	Chemical Identification				14835031				[Name: Lund U
106427	2703131			Phosphonothioic acid, diethyl	Chemical Abstracts II	O-Ethyl O-Ethylphosphorothioate	Chemical Identification				1942569				[Name: NJ RTA
41020	287923			Cyclopentane	Chemical Abstracts II	Cyclopentane	Chemical Identification						SMILES	C1CCCC1	[Name: OSHA
154542	7783188			Thiosulfuric acid (diethyl)	Chemical Abstracts II	Ammonium thiosulfate	Chemical Identification				15824314		SMILES	[NH4+].[S-]	[Name: Chemi

Fig. 21 Exported Core Metadata

The synonyms for each of the records can be viewed by using the Export Synonym Info function (Fig. 22). This function provides a list of all Substance Names and their respective Synonyms. Clicking on this link initiates a download of a .CSV file that can be opened in Excel. The table includes all the records for this list, as well as associated metadata (Fig. 23). The associated fields for each record are Substance Name, Internal Tracking Number, CAS or TSN #, Registry Name, Synonym Name, Synonym Start and End dates, Lists and Components of another Substance.

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Search by List Results

List Name: CERCLIS3 - Comprehensive Environmental Response, Compensation and Liability Information System - 3; Synonym : N/A; Substance Identifier: N/A; Substance Type: All; Characteristics: None; Substances To Return: Both Pending and Current Substances; Alternate Identifier: N/A; Alternate Identifier Context: N/A

Export Options

[Export List Information](#)
[Export Core Metadata for Lists](#)
[Export Synonym Info](#)

The search results returned were too large to display (> 1500 records). Please:

1) Refine your search

- or -

2) Select an export option below to export all results

[Back to List Search](#)
[Back to Home Page](#)

Fig. 22. Export Synonym info.

Internal Tracking Number	CAS #	EPA ID #	TSN #	Substance Name	Registry Name	Synonym Name	Synonym	Synonym	Lists	Component
17000993	6055-19-2			2H-1,3,2-Oxaphosphorinane	Cyclophosphamide	Cyclophosphamide (hydrated)			CERCLIS3	N
76661	1024-57-3			2,5-Methano-2H-imidazo[1,2-b]pyridine	Heptachlor epoxide	Heptachlor epoxide			ERNS, ECOTOX, SA	Y
159848	8032-32-4			Ligroine	Ligroine	Varish Makers & Painters naphtha			CERCLIS3	Y
76745	1031-47-6			Phosphonic diamide	Triamiphos	Triamiphos			EPCRA 302, FDA, H	Y
303834	55283-68-6			Benzenamine, N-(1-ethyl-2-pyrrolidinyl)	Ethalfuralin	Ethalfuralin			ChemIDStd, Merc	Y
40758	225-51-4			Benz[acridine]	Benz[acridine]	Benz[acridine]			RCRA Appendix V	N
75101	950-10-7			Phosphoramidate	Mephosfolan	Mephosfolan			ChemIDStd, FDA,	Y
150078	7440-48-4			Cobalt	Cobalt	Cobalt			WQX, CWA 304B,	Y
2113	56-35-9			Distannoxane, 1,1-bis(tributyltin)	cBis(tributyltin) oxide				EPCRA 313, CERCL	N

Fig. 23 Exported Synonym info.

5 PMN & Accession Number Search

The SRS can also be searched using alternate Identifiers, such as Premanufacture Notice (PMN) & Accession Numbers using the respective searches in Fig. 24. These searches are useful for finding records associated with the TSCA or Toxic Substance Control Act lists.

Chemical and Substance Resources

Find a Substance


Search by Substance Name
(Enter a Substance Name ex: Chemical Name, Biological Name, etc.)

Contains Begins With Exact Match

Substance Identifier
Please enter a CAS Number, TSN, EPA Identifier, Internal Tracking Number, or Alternate Identifier


[Advanced Search](#) [Search by List](#) [Search by PMN & Accession Numbers](#)

Health Resources




- [New Jersey RTK Fact Sheets](#)
- [ToxFAQs](#)
- [NIOSH Occupational Health Guidelines for Chemical Hazards](#)
- [More Health Information Resources](#)

Popular Resources




- [Envirofacts](#)
- [Enforcement and Compliance History Online \(ECHO/IDEA\)](#)
- [MyEnvironment](#)
- [More Popular Resources](#)

Scientific Resources



- [Integrated Risk Information System \(IRIS\)](#)
- [DSSTox](#)
- [ChemView](#)
- [More Scientific Information Resources](#)

Business and Industry Resources



- [Lead Renovation](#)
- [Pesticides Registration](#)
- [TRI Reporting](#)
- [More Business and Industry Information Resources](#)

Fig 24. Search by PMN & Accession Numbers

5.1 Search by Premanufacture Notice (PMNs)

Section 5 of the TSCA requires anyone who plans to produce or import a new chemical substance to provide the EPA with a Premanufacture Notice or PMN at least 90 days prior to production. These identifiers are contained within the TSCA lists in SRS as alternate identifiers and can be searched to find related records. Click on the Search by PMN & Accession Numbers search in Fig 24. Then in Fig 25, enter the PMN identifier in the “identifier” search box. Exclude any dashes in your PMN identifier so that it appears as a single string (e.g., “P810312”). Make sure the PMN box is checked. Click search to obtain record results as seen in Fig. 26. Both the Accession Number and the Generic Name for the PMN are displayed. The whole record can then be found by using the basic search (Section 2) on the Generic Name.

Search and Retrieve

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PMN & Accession Numbers Search

Search CBI Information

Generic Name Enter Generic Name
 Contains Begins With Exact Match

Identifier Enter identifier (such as PMN Number or Accession Number); optionally, specify specific types of identifiers that should be searched
P800258
 Contains Begins With Exact Match
 PMN Number Accession Number All

EPA Inventory Flag
Press and hold the 'CTRL' key while left-clicking to select or deselect multiple flags. If none are selected, all will be searched by default.
TSCA 4 Proposed
TSCA 4 Tests
TSCA 5(e) Consent Orders
TSCA 5(f) Specific Labeling
TSCA 5A SNUR

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Fig. 25 PMN identifier search

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PMN & Accession Numbers Results

Generic Name (Contains): ; Identifier (Contains): P800258; Identifier Type: PMN Number; EPA Inventory Flag: All

1 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#))

PMN Number	Accession Number	Generic Name	EPA Inventory Flag
P800258	13026	Isododecenone	TSCA Commenced PMN

[Back to Search](#) [Cancel](#) [Back to Home Page](#)

Fig. 26 PMN identifier results.

5.2 Search by Accession Number

Chemicals in the TSCA lists may also be identified by an Accession Number. Click on the Search by PMN & Accession Numbers search in Fig. 24. Then in Fig. 27, enter the Accession Number in the “identifier” search box. Make sure the Accession Number box is checked. Click search to obtain results as shown in Fig. 28. Both the PMN and the Generic Name are displayed. Use a basic search on the Generic Name (Section 2) to obtain full record information.

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PMN & Accession Numbers Search

Search CBI Information

Generic Name Enter Generic Name

Contains
 Begins With
 Exact Match

Identifier Enter identifier (such as PMN Number or Accession Number); optionally, specify specific types of identifiers that should be searched

61575

Contains
 Begins With
 Exact Match

PMN Number
 Accession Number
 All

Press and hold the 'CTRL' key while left-clicking to select or deselect multiple flags. If none are selected, all will be searched by default.

EPA Inventory Flag

- TSCA 4 Proposed
- TSCA 4 Tests
- TSCA 5(e) Consent Orders
- TSCA 5(f) Specific Labeling
- TSCA 5A SNUR

Fig. 27 Accession Number Search

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PMN & Accession Numbers Results

Generic Name (Contains): ; Identifier (Exact Match): 61575; Identifier Type: Accession Number; EPA Inventory Flag: All

1 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#))

Page 1 of 1 Results per page: 25

PMN Number	Accession Number	Generic Name	EPA Inventory Flag
P810312	61575	Alkylalkenylcyclohexanone	TSCA Commenced PMN

Fig. 28 Accession Number Results

5.3 Search by Generic Name


If you happen to know the Generic Name of your TSCA list substance, but want to find either the PMN or Accession Number, click on the Search by PMN & Accession Numbers search in Fig 24. Then as shown in Fig. 29, enter the Generic Name in the “Generic Name” search box. Click search to obtain results as shown in Fig. 30. Both the PMN and Accession Number are displayed for the Generic Name.

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PMN & Accession Numbers Search

Search CBI Information

Generic Name  Enter Generic Name
Alkylalkenylcyclohexanone
 Contains Begins With Exact Match

Identifier Enter identifier (such as PMN Number or Accession Number); optionally, specify specific types of identifiers that should be searched
 Contains Begins With Exact Match
 PMN Number Accession Number All

EPA Inventory Flag
Press and hold the 'CTRL' key while left-clicking to select or deselect multiple flags. If none are selected, all will be searched by default.
TSCA 4 Proposed
TSCA 4 Tests
TSCA 5(e) Consent Orders
TSCA 5(f) Specific Labeling
TSCA 5A SNUR

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Fig. 29 Generic Name Search

Search & Retrieve

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PMN & Accession Numbers Results

Generic Name (Contains): Alkylalkenylcyclohexanone; **Identifier (Exact Match):** ; **Identifier Type:** Accession Number; **EPA Inventory Flag:** All

1 results found (Export options: [Excel](#) | [XML](#) | [PDF](#) | [RTF](#))

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PMN Number	Accession Number	Generic Name	EPA Inventory Flag
P810312	61575	Alkylalkenylcyclohexanone	TSCA Commenced PMN

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Fig. 30 Generic Name Search results