

# The U.S. EPA's 2006 Inventory Update Reporting (IUR) Data on Chemical Substances

Presentation for  
Chemical Prioritization Community of Practice

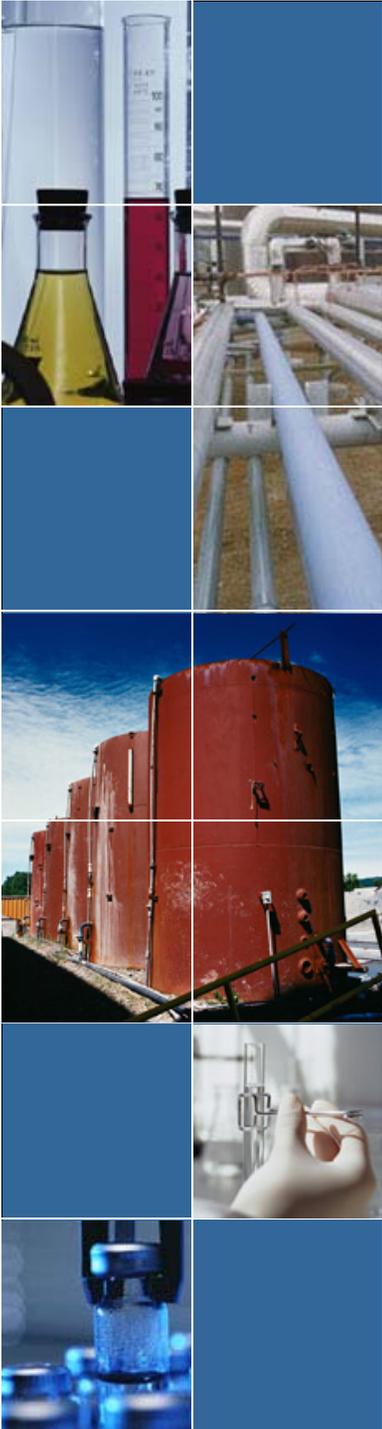
May 28, 2009

*Susan Sharkey*  
*Chemical Control Division*  
*Office of Pollution Prevention and Toxics*



# Discussion Overview

- What is the IUR?
- A Brief IUR History
- Who is Reporting the Information?
- What Information is Reported?
- Important Facts
- 2006 IUR Data



# *What is the IUR?*

The IUR currently provides a  
“snapshot” of chemical  
manufacturing every 4 - 5 years.

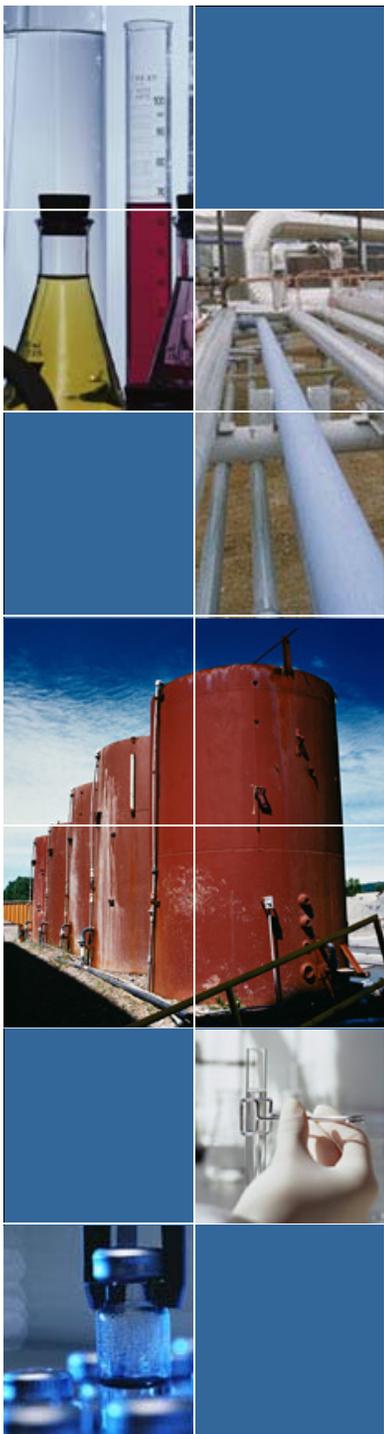




## *What is the IUR?*

- The TSCA Inventory, initiated in 1977, lists over 80,000 TSCA chemicals in commerce in the U.S.
- The Inventory Update Reporting (IUR) regulation collects manufacturing, processing, and use information for a subset of Inventory chemicals (about 9,000 per reporting cycle).
- The IUR regulation can be found at 40 CFR Part 710.

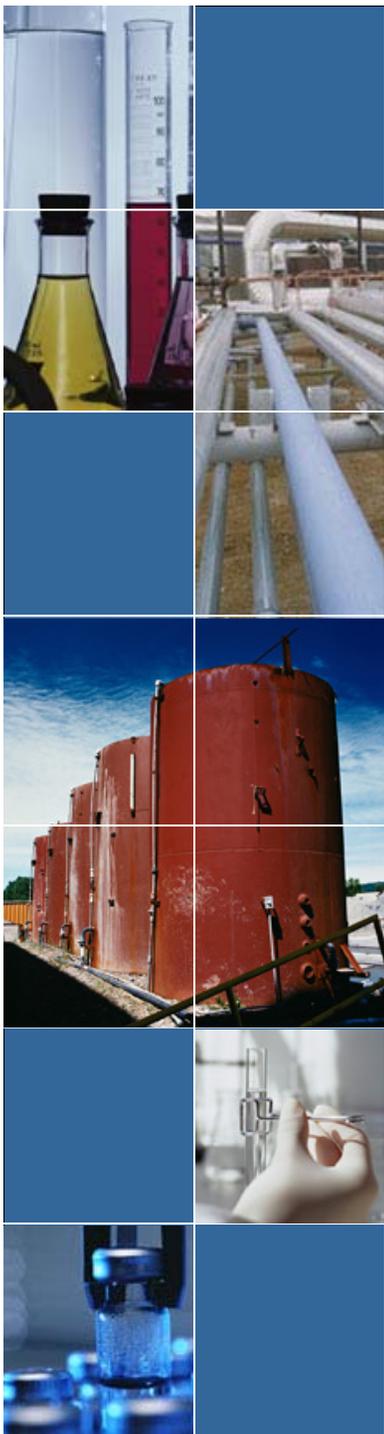




## *A Brief IUR History*

- The first update collection occurred in 1986
- Collections in 1986, 1990, 1994, 1998, 2002
- Major changes implemented in 2003
  - changed the universe of subject chemicals
  - added to the information reported
- The 2006 submission was the first under the amended requirements





## *Who is reporting the information?*

- Manufacturers, including importers, report the IUR data
- Site-specific reporting
  - Sites that manufacture the chemical
  - Sites that control the import of the chemical
- Reporting trigger – 25,000 lbs. manufactured (incl. imported) at a site





## *For the 2006 IUR – What information was reported?*

- For production volumes of 25,000 lbs or greater (annual, per site), manufacturers reported:
  - Site identification information (Part I)
  - Manufacturing information (Part II)
- For production volumes of 300,000 lbs or greater (annual, per site), manufacturers also reported:
  - Industrial processing and use information (Part III A)
  - Commercial and consumer use information (Part III B)





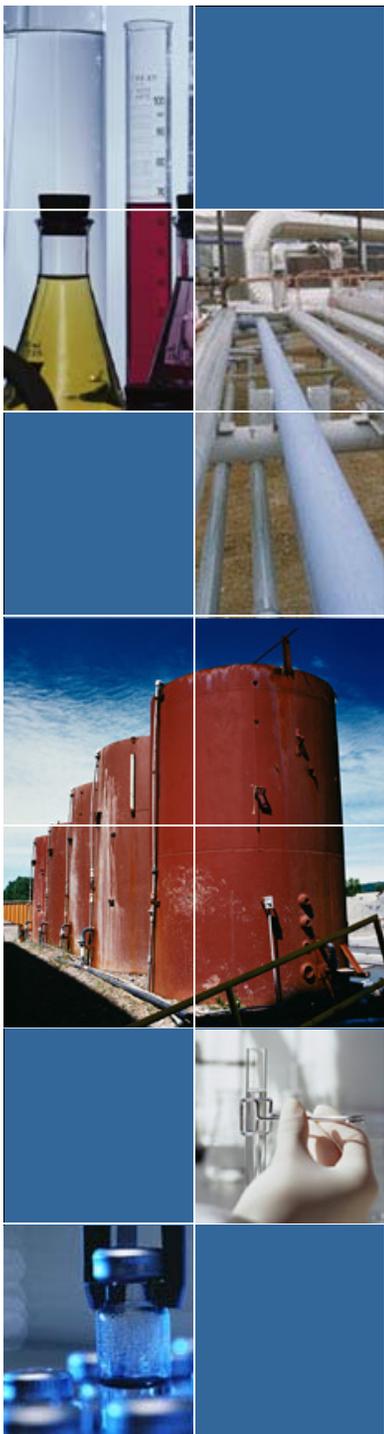
# Part I. Site Information

## PART I. SITE IDENTIFICATION INFORMATION

SECTION A. COMPANY INFORMATION*	
1.A.1 Company Name	
1.A.2 Company Dun & Bradstreet Number	

SECTION B. SITE INFORMATION*			
1.B.1 Site Name			
1.B.2 Site Dun & Bradstreet Number	EPA Facility Identification Number	LEAVE BLANK	
1.B.3 Street Address (Line 1)			
1.B.4 Street Address (Line 2)			
1.B.5 City	1.B.6 County / Parish		
1.B.7 State	1.B.8 Zip Code		

SECTION C. TECHNICAL CONTACT INFORMATION*			
1.C.1 Name		1.C.2 Telephone	
1.C.3 Email Address			
1.C.4 Mailing Address (Line 1)			
1.C.5 Mailing Address (Line 2)			
1.C.6 City	1.C.7 State	1.C.8 Zip Code	



## *Part II. Manufacturing Information*

- Chemical name
- Chemical identifying number (usually CASRN)
- Site limited chemical?
- Manufacture or Import?
- Production volume – manufactured
- Production volume – imported
- Number of workers (in ranges)
- Maximum concentration (in ranges)
- Physical form (choose from list) and associated percent of production volume



# Part III. A. Industrial Processing and Use Information

Type of Process or Use	NAICS Codes	Industrial Function Category	% PV	Number of Sites	Number of Workers
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- Type of process or use (choose from list)
- NAICS code (5-digit)
- Industrial function category (choose from list)
- For each unique combination of the above, report:
  - Percent production volume
  - Number of sites (in ranges)
  - Number of workers (in ranges)



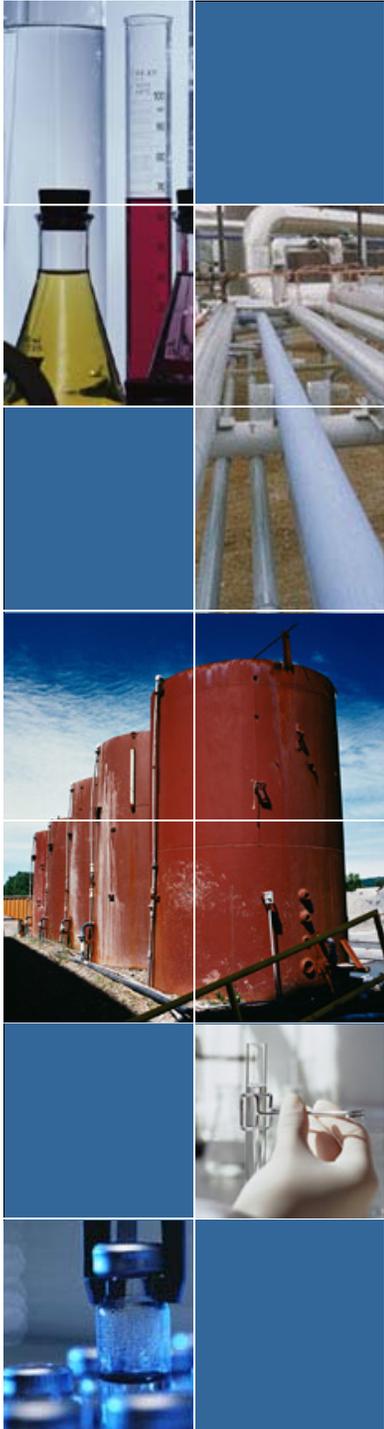


## *Part III. B. Commercial and Consumer Use Information*

Product Category	Used in Products Intended for Children?	% PV	Max Concentration
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- Commercial and consumer product category (choose from list)
- Used in products intended for children?
- Percent production volume (for each category)
- Maximum concentration (for each category)





## *Important Facts You Need Know*

- Processing and Use information provided by manufacturers, not users
- Two reporting standards
  - *Known to or reasonably ascertainable* – applies to manufacturing-related information
  - *Readily obtainable* – applies to processing and use information
- Confidential Business Information (CBI) – any of the information can be claimed CBI.



# Website: [www.epa.gov/iur](http://www.epa.gov/iur)



The screenshot shows a Windows Internet Explorer browser window displaying the EPA's Inventory Update Reporting (IUR) website. The browser's address bar shows the URL <http://www.epa.gov/iur/>. The website header features the EPA logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". The main heading is "Inventory Update Reporting (IUR)". A search bar is present with a "Go" button. Below the search bar, the breadcrumb trail reads: "You are here: [EPA Home](#) » [Prevention, Pesticides & Toxic Substances](#) » [Pollution Prevention & Toxics](#) » Inventory Update Reporting (IUR)".

The main content area includes a paragraph explaining the IUR program's purpose: "The purpose of the IUR program is to collect quality screening-level, exposure-related information on chemical substances and to make that information available for use by EPA and, to the extent possible, [due to data confidentiality claims](#), to the public. The IUR data are used to support risk screening, assessment, priority setting and management activities and constitute the most comprehensive source of basic screening-level, exposure-related information on chemicals available to EPA."

Below this, a section titled "This Web site includes:" lists several links and descriptions:

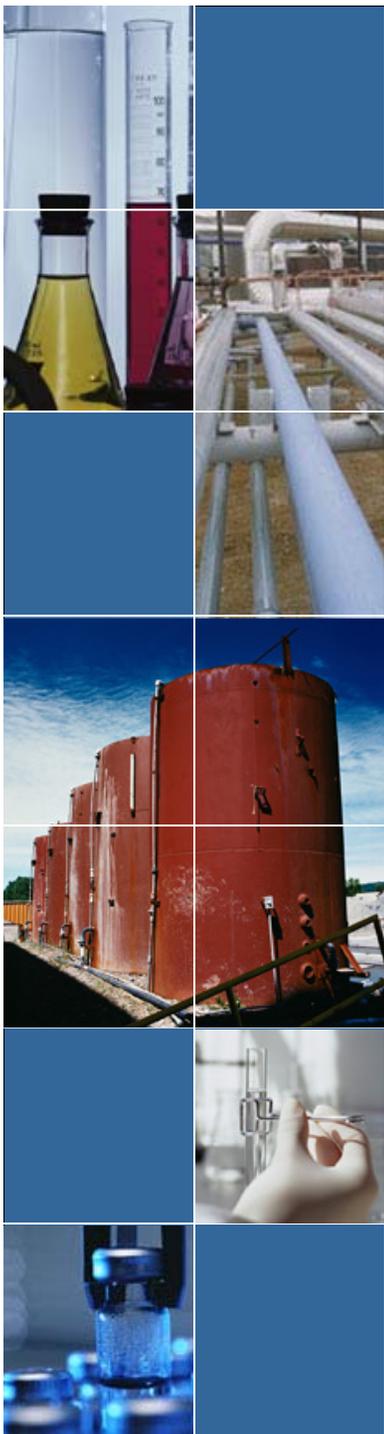
- [Basic Information](#) - Read about current IUR regulations and the 2003 IUR amendments that affect 2006 and future reporting. Review the general requirements of reporting and the history of IUR regulations.
- [IUR Data](#) - Search non-confidential IUR data for 2006 and past IUR reporting periods.
- [About Submissions](#) - Learn when the next submission period will occur and find guidance on submitting corrections to your 2006 and earlier IUR reports. Learn what to do if you missed reporting for the 2006 IUR.
- [Confidentiality](#) - Read guidance on how companies can claim information reported to EPA as confidential.
- [Resources](#) - Find various instructions, guidance, reporting forms, regulatory information, presentations and other materials to help companies report.
- [Petitions for Partial Exemption](#) - Search for petitions that have already been submitted. Find guidance to add to the list of chemicals of low current interest for which reporting requirements are reduced.

On the right side, a "Highlights" box titled "2006 Inventory Update Reporting" lists:

- [2006 Data \(ver. 1.1\)](#)
- [2006 Inventory Update Reporting: Data Summary](#)

Below the highlights, a text box states: "The revised 2006 IUR public database, which more accurately reflects the information provided by industry submitters, is now available. To ensure that you have the most current version of the data, please replace any searches or downloads with version 1.1." Below this, it says: "Read about the [IUR program's January 2007 - January 2009 accomplishments](#)."

At the bottom of the page, there are links for [EPA Home](#), [Privacy and Security Notice](#), and [Contact Us](#). A footer note reads: "Last updated on Tuesday, February 17th, 2009. <http://www.epa.gov/iur/> [Print As-Is](#)".



# 2006 IUR: Data Summary

- A report on the 2006 collection of chemical data
- Provides a summary of the chemical manufacturing, processing, and use information, as reported for calendar year 2005.
  - Use of the IUR Data

*Learn about EPA's current use of the 2006 IUR data and the factors and assumptions to consider when using the data.*
  - Data Analysis and Key Findings

*This section provides a summary of specific information reported under the 2006 IUR. It presents key findings from the data, including detailed analyses with supporting tables and graphs.*

[http://www.epa.gov/iur/pubs/2006\\_data\\_summary.pdf](http://www.epa.gov/iur/pubs/2006_data_summary.pdf)



# Overview, Regional, and State Data

Exhibit 7. Production Volumes and the Number of Chemicals Reported by Each EPA Region

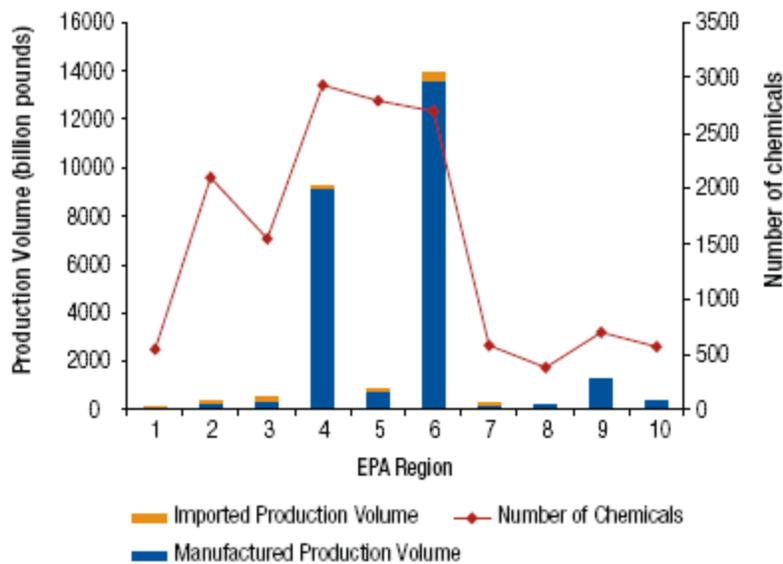


Exhibit 4. Percentage of Chemicals Reported by the Number of Sites

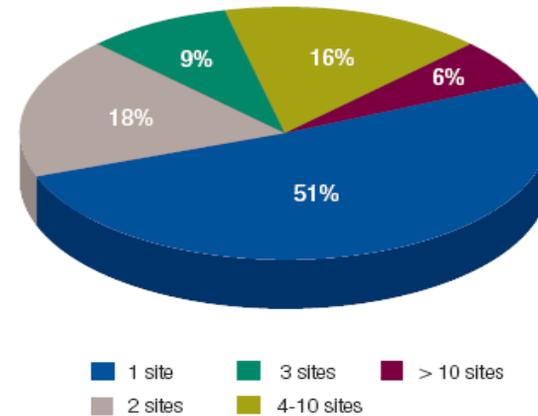
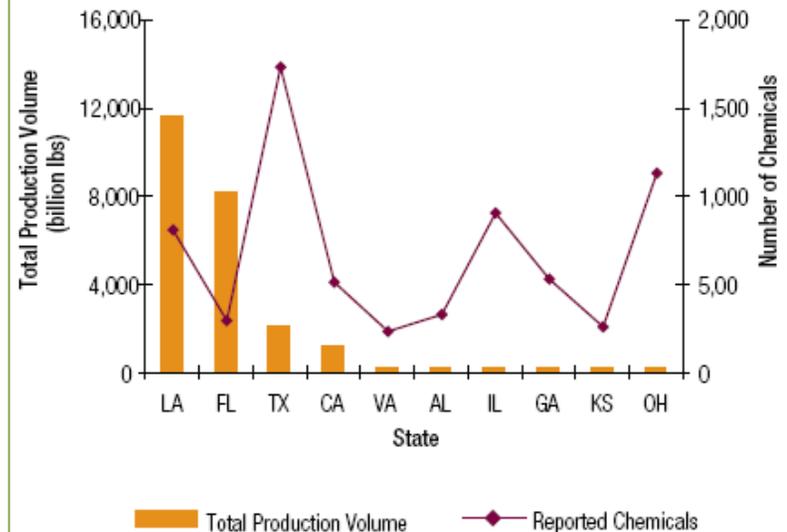


Exhibit 10. The Top 10 States by Production Volume and the Number of Chemicals They Report



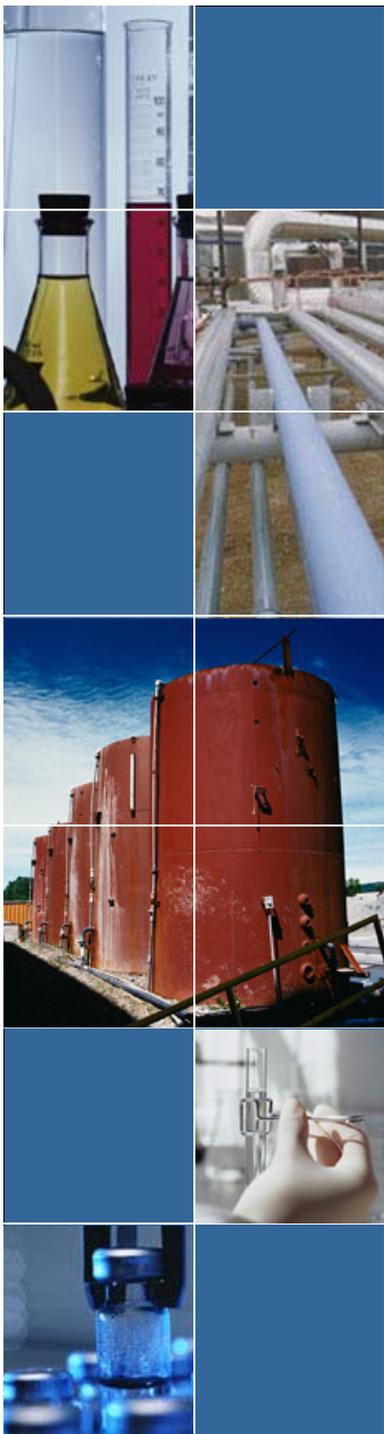


# Example Key Findings

- Top 25 Chemicals Based on the Total Reported Production Volume
- Top 25 Chemicals Based on the Total Reported Production Volume (Excluding Site-Limited Production Volumes)
- Number of Times Submitters Reported a Particular Range of the Number of Manufacturing Workers
- Number of Times Submitters Reported a Particular Range of Maximum Concentration
- Number of Chemicals Reported for Each Physical Form and the Associated Production Volumes
- Number of Chemicals in Each Process or Use Category
- Most Frequently Reported Three-Digit NAICS Codes
- Number of Chemicals in Each Industrial Function Category

[http://www.epa.gov/iur/pubs/2006\\_data\\_summary.pdf](http://www.epa.gov/iur/pubs/2006_data_summary.pdf)



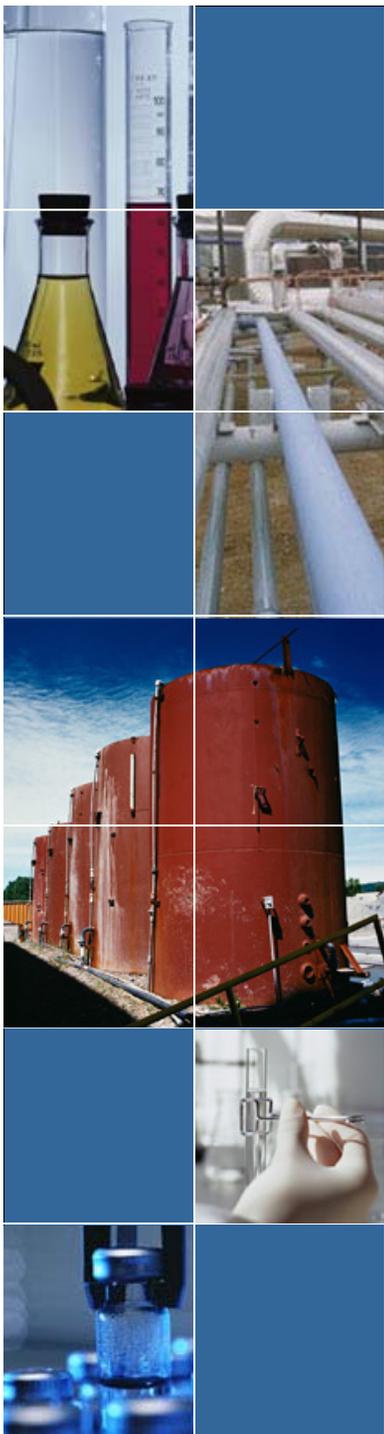


# 2006 IUR Searchable Database

- Search by Chemical CASRN or Name
- Search by Company Name
- Download Database
- Non-CBI Data only

<http://www.epa.gov/iur/tools/data/index.htm>





# Search by Chemical

- **Company and Site-specific Information**
  - Company name and site name, city, state, and zip code
  - Aggregated national production volume range for the selected chemical
  - Whether the chemical is manufactured or imported
  - Whether the chemical was site-limited
- **National Chemical Information**
  - Aggregated national production volume range
  - Maximum concentration and physical form(s)
  - Total number of manufacturing, processing, and use sites
  - Total number of reasonably likely to be exposed manufacturing and industrial workers
  - Whether processing and use information was reported.
  - Industrial processing and use and commercial and consumer use data for the selected chemical, if available.



# Search by Company

- Company and Site-specific information
  - CAS Registry Number
  - Chemical name
  - Whether the chemical was manufactured or imported
  - Whether the chemical was site-limited





## *Contact Information*

- Susan Sharkey
  - [Sharkey.susan@epa.gov](mailto:Sharkey.susan@epa.gov)
  - 202-564-8789
- [www.epa.gov/iur](http://www.epa.gov/iur)

