

HSDB Needs Assessment Survey
Consumer Path



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United States National Library of Medicine - HSDB Needs Assessment

OMB# 0925-0476 EXP. DATE: 06/30/2012

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***1. Please enter the country, state or territory, and postal zip code where you are geographically located (work or home).**

Country

State or territory

Postal zip code

***2. What is your gender?**

- Male
- Female

***3. What is your age?**

***4. What is your level of education?**

- High school
- Some post high-school education
- College degree
- Graduate or professional degree

***5. How would you best (and primarily) identify yourself? (please check only one box)**

- Clinical Researcher

***2. What is your gender?**

- Male
- Female

***3. What is your age?**

***4. What is your level of education?**

- High school
- Some post high-school education
- College degree
- Graduate or professional degree

***5. How would you best (and primarily) identify yourself? (please check only one box)**

- Clinical Researcher
- Basic Scientist
- Information Science or Information Management Professional
- Toxicologist
- Health Safety and Environmental Specialist
- Medical Professional
- Student or Trainee in Science or Health-Related Field
- Consumer or Patient
- Consumer Advocate
- Community Leader

Next



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*6. How would you rate your computer skills?

- 0=Limited - I can turn it on and play a game or surf the internet.
- 1=Sufficient - I know my way around enough to handle simple tasks.
- 2=Very Good - I can handle most things on the computer with no problem.
- 3=Advanced - I can handle almost anything my computer can throw at me.

*7. How do you most often access online resources?

- Office computer
- Home computer
- Smart phone (examples: iPhone, Droid)
- Tablet or netbook (examples: iPad, Samsung Tablet)

Other

*8. Please rate your level of agreement with the following statements: (5=strongly agree, 4=agree, 3=somewhat agree, 2=disagree, 1=strongly disagree, 0=cannot comment)

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
I worry about the effects of environmental pollution on my individual and/or family's health.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not feel safe because of the chemicals in the environment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish I knew more about the potential toxicity						

For quick access, place your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

- 1=Sufficient - I know my way around enough to handle simple tasks.
- 2=Very Good - I can handle most things on the computer with no problem.
- 3=Advanced - I can handle almost anything my computer can throw at me.

***7. How do you most often access online resources?**

- Office computer
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I worry about the effects of environmental pollution on my individual and/or family's health.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not feel safe because of the chemicals in the environment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish I knew more about the potential toxicity, that is harm that could be caused, of chemicals or drugs that people are exposed to.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I wish there was an easy-to-understand ready source of toxicity information for chemicals or drugs that people are exposed to.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I need to find out about something related to chemicals, drugs, or other hazards in the environment, I always start with Google.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***9. What are your top 3 concerns related to environmental health issues, that is exposure to chemicals, drugs, or other hazards in the environment? (Please only rank 3, and select "Not a top 3 concern" for all others)**

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related to chemicals, drugs, or other hazards in the environment, I always start with Google.

***9. What are your top 3 concerns related to environmental health issues, that is exposure to chemicals, drugs, or other hazards in the environment? (Please only rank 3, and select "Not a top 3 concern" for all others)**

	3	2	1	Not a top 3 concern
Drinking water contaminants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Toxic spills or releases in the environment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lead	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Causes of asthma	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chemicals in makeup and personal care products	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pesticides	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Indoor Air Quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outdoor Air Quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chemicals in Food and Drink	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Children's Health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cancer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Genetic Effects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other:

***10. How often do you have a need for information on environmental health issues?**

- 0=Never
- 1=Rarely - Maybe a few times a year
- 2=Occasionally - About once per month
- 3=Frequently - More than once a month

***11. What typically causes you to seek information on environmental health issues?**

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- I see something on TV
- My child was diagnosed with a disease or experiences symptoms
- I read a book or article
- I read a blog post or tweet
- A friend or acquaintance tells me about something
- My doctor provides me with information or instructions

Other:

***12. Computer literature searching is the act of utilizing online electronic resources to find authoritative publications on a topic, such as a particular chemical or a particular disease. What is your level of familiarity with computer literature searching?**

- 0=Not at all familiar** - I almost never or never do computer literature searching
- 1=Somewhat familiar** - I would be able to perform a basic search and probably find what I need but I don't do it very often
- 2=Familiar** - I occasionally perform literature searches and can generally find what I need
- 3=Very familiar** - I regularly perform computer literature searches online

***13. How familiar are you with the National Library of Medicine's Hazardous Substances Databank (HSDB)?**

- 1 Not at all familiar (Never heard of it)
- 2 Somewhat familiar (Know of it but have never used it)
- 3 Familiar (Use occasionally)
- 4 Very familiar (Use on a regular or semi-regular basis)
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HSDB Needs Assessment Survey
Non-User Path



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*6. What is your primary affiliation?

- Government (Non Military) / Regulating Agency (ex: EPA, FDA)
- Government (Non Military) / Non-Regulating Agency (ex: NIH, CDC)
- Military
- Academia
- Pharmaceutical / Medical Device Company
- Industry
- Non-Profit

Other

*7. Where do you perform most of your work?

- In my work office
- In my home office
- In a library
- In a classroom
- In a medical office, hospital, or clinic
- In the field

*8. With what frequency do you rely on electronic toxicology and environmental health resources like the Hazardous Substances Data Bank (HSDB) for the following?: (please rate each as 4=daily, 3=weekly, 2=monthly, 1=several times per year ((or less)), 0=never)

4 daily

3 weekly

2 monthly

1 several times per year (or less)

0 never

- In a medical office, hospital, or clinic
- In the field

***8. With what frequency do you rely on electronic toxicology and environmental health resources like the Hazardous Substances Data Bank (HSDB) for the following?: (please rate each as 4=daily, 3=weekly, 2=monthly, 1=several times per year ((or less)), 0=never)**

	4 daily	3 weekly	2 monthly	1 several times per year (or less)	0 never
To get a general overview of the available toxicology or environmental health information for a specific chemical	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for basic information on specific chemicals (e.g. structure, chemical properties)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for the link between exposure and disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for reproductive or genetic effects of specific chemicals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conducting risk assessment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conducting scientific research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Responding to patient care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for information on medicines or prescription drugs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Responding to a hazardous materials emergency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for information on a specific disease, condition, diagnosis, or treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working or assisting others with a school project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (You must add your appropriate rating scale number to the end of your descriptor)

***9. What environmental and toxicology data sources do you frequently utilize? (please check all that apply)**

- TOXNET
- EBI (European Bioinformatics Institute) Database
- Google Scholar

Other (You must add your appropriate rating scale number to the end of your descriptor)

***9. What environmental and toxicology data sources do you frequently utilize? (please check all that apply)**

- TOXNET
- Drug Information Portal
- Agency for Toxic Substances & Diseases Registry (ATSDR) Toxic Substances Portal
- Integrated Risk Information System (IRIS), EPA
- American Chemical Society, Chemical Abstracts Service (CAS) Databases
- ChemSpider
- Merck Index
- FDA Informatics and Computational Safety Analysis Staff (ICSAS) Toxicology Database
- NIEHS CEBS (Chemical Effects and Biological Systems)
- EBI (European Bioinformatics Institute) Database
- WISER (first responder database)
- IARC Monographs (International Agency for Research on Cancer)
- Comparative Toxicogenomics Database (CTD)
- National Toxicology Program (NTP)
- Toxic Release Inventory (TRI)
- MedLine/MedLinePlus
- PubMed
- PubChem
- Google Scholar
- International Toxicity Estimates for Risk Database (ITER)
- European Chemical Substances Information System (ESIS)
- Joint Meeting on Pesticide Residues (JMPR) Monographs
- Joint FAO/WHO Expert Committee on Food Additives (JECFA) Monographs
- Concise International Chemical Assessment Document (CICADS)
- International Chemical Safety Cards (ICSCs)
- Screening Information Datasets (SIDS) for High Production Volume Chemicals

Other (Please list as many as you wish)

***10. How familiar are you with the National Library of Medicine's Hazardous Substances Databank (HSDB)?**

- 1 Not at all familiar (never heard of it)
- 2 Somewhat familiar (know of it but have never used it)
- 3 Familiar (use occasionally)
- 4 Very familiar (use on a regular or semi-regular basis)
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***11. Please rate your level of agreement with the following statements: (5=strongly agree, 4=agree, 3=somewhat agree, 2=disagree, 1=strongly disagree, 0=cannot comment)**

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
I do not use the HSDB because it's too difficult to use or understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not use the HSDB because it doesn't contain the information I need.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not use the HSDB because I am not familiar with how to operate it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I do not use the HSDB because I'm unaware of it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would use the HSDB if I knew more about it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would utilize online tutorials to get familiar with the HSDB.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I think there are training needs with regard to understanding what electronic environmental and toxicology resources exist and how best to utilize them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have benefited from information outreach efforts related to the utilization of data resources like the HSDB.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I primarily use Google to find what I'm looking for online.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***12. If you were starting from scratch what would you include in a new database of toxicology and environmental health information? (please check all that apply)**

Google-like search function

***12. If you were starting from scratch what would you include in a new database of toxicology and environmental health information? (please check all that apply)**

- Google-like search function
- Training resources like videos and online tutorials
- Breaking news / hot topics
- Health topics
- Encyclopedia of toxicology and environmental health
- Resources showing how people might be exposed to certain chemicals

***13. What content related to Human Health Effects is important to you? (please check all that apply)**

- | | |
|--|--|
| <input type="checkbox"/> Toxicity Summary | <input type="checkbox"/> Populations at Special Risk |
| <input type="checkbox"/> Evidence for Carcinogenicity | <input type="checkbox"/> Probable Routes of Human Exposure |
| <input type="checkbox"/> Human Toxicity Excerpts | <input type="checkbox"/> Body Burden |
| <input type="checkbox"/> Skin, Eye and Respiratory Irritations | <input type="checkbox"/> Average Daily Intake |
| <input type="checkbox"/> Drug Warnings | <input type="checkbox"/> Reported Fatal Dose |
| <input type="checkbox"/> Medical Surveillance | <input type="checkbox"/> Does not apply |

***14. What content related to Emergency Medical Treatment is important to you? (please check all that apply)**

- Emergency Medical Treatment
- Antidote and Emergency Treatment
- Does not apply

***15. What content related to Animal Toxicity Studies is important to you? (please check all that apply)**

- | | |
|--|--|
| <input type="checkbox"/> Toxicity Summary | <input type="checkbox"/> Ecotoxicity Values |
| <input type="checkbox"/> Evidence for Carcinogenicity | <input type="checkbox"/> Ongoing Test Status |
| <input type="checkbox"/> Non-Human Toxicity Excerpts | <input type="checkbox"/> TSCA Test Submissions |
| <input type="checkbox"/> National Toxicology Program Studies | <input type="checkbox"/> Does not apply |
| <input type="checkbox"/> Non-Human Toxicity Values | |

National Toxicology Program Studies

Does not apply

Non-Human Toxicity Values

***16. What content related to Metabolism/Pharmacokinetics is important to you? (please check all that apply)**

- Metabolism/Metabolites
- Absorption, Distribution & Excretion
- Biological Half-Life
- Mechanism of Action
- Interactions
- Does not apply

***17. What content related to Pharmacology is important to you? (please check all that apply)**

- Therapeutic Uses
- Drug Warnings
- Interactions
- Reported Fatal Dose
- Does not apply

***18. What content related to Environmental Fate & Exposure is important to you? (please check all that apply)**

- | | | |
|--|---|---|
| <input type="checkbox"/> Environmental Fate/Exposure Summary | <input type="checkbox"/> Environmental Abiotic Degradation | <input type="checkbox"/> Food Survey Values |
| <input type="checkbox"/> Probable Routes of Human Exposure | <input type="checkbox"/> Environmental Bioconcentration | <input type="checkbox"/> Plant Concentrations |
| <input type="checkbox"/> Body Burden | <input type="checkbox"/> Soil Adsorption/Mobility | <input type="checkbox"/> Fish/Seafood Concentrations |
| <input type="checkbox"/> Average Daily Intake | <input type="checkbox"/> Volatilization from Water/Soil | <input type="checkbox"/> Milk Concentrations |
| <input type="checkbox"/> Natural Pollution Sources | <input type="checkbox"/> Environmental Water Concentrations | <input type="checkbox"/> Other Environmental Concentrations |
| <input type="checkbox"/> Artificial Pollution Sources | <input type="checkbox"/> Effluent Concentrations | <input type="checkbox"/> Does not apply |
| <input type="checkbox"/> Environmental Fate | <input type="checkbox"/> Sediment/Soil Concentrations | |
| <input type="checkbox"/> Environmental Biodegradation | <input type="checkbox"/> Atmospheric Concentrations | |

***19. What content related to Environmental Standards & Regulations is important to you? (please check all that apply)**

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- FIFRA Requirements
- Acceptable Daily Intakes
- CERCLA Reportable Quantities
- RCRA Requirements
- Atmospheric Standards
- Clean Water Act Requirements
- Federal Drinking Water Standards
- State Drinking Water Standards
- State Drinking Water Guidelines
- FDA Requirements
- Allowable Tolerances
- Does not apply

***20. What content related to Chemical/Physical Properties is important to you? (please check all that apply)**

- Molecular Formula
- Molecular Weight
- Color/Form
- Odor
- Taste
- Boiling Point
- Melting Point
- Critical Temperature & Pressure
- Density/Specific Gravity
- Heat of Combustion
- Heat of Vaporization
- Octanol/Water Partition Coefficient
- Solubilities
- Spectral Properties
- Surface Tension
- Vapor Density
- Vapor Pressure
- Relative Evaporation Rate
- Viscosity
- Other Chemical/Physical Properties
- Does not apply

***21. What content related to Chemical Safety & Handling is important to you? (please check all that apply)**

- DOT Emergency Guidelines
- Odor Threshold
- Skin, Eye and Respiratory Irritations
- Fire Potential
- NFPA Hazard Classification
- Flammable Limits
- Flash Point
- Autoignition Temperature
- Fire Fighting Procedures
- Firefighting Hazards
- Explosive Limits & Potential
- Hazardous Reactivities & Incompatibilities
- Prior History of Accidents
- Immediately Dangerous to Life or Health
- Protective Equipment & Clothing
- Preventive Measures
- Shipment Methods and Regulations
- Storage Conditions
- Cleanup Methods
- Disposal Methods
- Does not apply

***22. What content related to Occupational Exposure Standards is important to you? (please check all that apply)**

- OSHA Standards

***22. What content related to Occupational Exposure Standards is important to you? (please check all that apply)**

- OSHA Standards
- Threshold Limit Values
- NIOSH Recommendations
- Immediately Dangerous to Life or Health
- Other Standards Regulations and Guidelines
- Does not apply

***23. What content related to Manufacturing/Use Information is important to you? (please check all that apply)**

- | | |
|--|---|
| <input type="checkbox"/> Major Uses | <input type="checkbox"/> Consumption Patterns |
| <input type="checkbox"/> Manufacturers | <input type="checkbox"/> U. S. Production |
| <input type="checkbox"/> Methods of Manufacturing | <input type="checkbox"/> U. S. Imports |
| <input type="checkbox"/> General Manufacturing Information | <input type="checkbox"/> U. S. Exports |
| <input type="checkbox"/> Formulations/Preparations | <input type="checkbox"/> Does not apply |
| <input type="checkbox"/> Impurities | |

***24. What content related to Laboratory Methods is important to you? (please check all that apply)**

- Clinical Laboratory Methods
- Analytic Laboratory Methods
- Sampling Procedures
- Does not apply

***25. What content related to Special References is important to you? (please check all that apply)**

- Special Reports
- Does not apply

***26. What content related to Synonyms and Identifiers is important to you? (please check all that apply)**

- Related HSDB Records

- Clinical Laboratory Methods
- Analytic Laboratory Methods
- Sampling Procedures
- Does not apply

***25. What content related to Special References is important to you? (please check all that apply)**

- Special Reports
- Does not apply

***26. What content related to Synonyms and Identifiers is important to you? (please check all that apply)**

- Related HSDB Records
- Synonyms
- Formulations/Preparations
- Shipping Name/ Number DOT/UN/NA/IMO
- Standard Transportation Number
- EPA Hazardous Waste Number
- Does not apply

***27. What content related to Administrative Information is important to you? (please check all that apply)**

- Hazardous Substances Databank Number
- Last Revision Date
- Last Review Date
- Update History
- Does not apply

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OMB# 0925-0476 EXP. DATE: 06/30/2012

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*6. What is your primary affiliation?

- Government (Non Military) / Regulating Agency (ex: EPA, FDA)
- Government (Non Military) / Non-Regulating Agency (ex: NIH, CDC)
- Military
- Academia
- Pharmaceutical / Medical Device Company
- Industry
- Non-Profit

Other

*7. Where do you perform most of your work?

- In my work office
- In my home office
- In a library
- In a classroom
- In a medical office, hospital, or clinic
- In the field

*8. With what frequency do you rely on electronic toxicology and environmental health resources like the Hazardous Substances Data Bank (HSDB) for the following?: (please rate each as 4=daily, 3=weekly, 2=monthly, 1=several times per year ((or less)), 0=never)

4 daily

3 weekly

2 monthly

1 several times per year (or less)

0 never

- In a medical office, hospital, or clinic
- In the field

***8. With what frequency do you rely on electronic toxicology and environmental health resources like the Hazardous Substances Data Bank (HSDB) for the following?: (please rate each as 4=daily, 3=weekly, 2=monthly, 1=several times per year ((or less)), 0=never)**

	4 daily	3 weekly	2 monthly	1 several times per year (or less)	0 never
To get a general overview of the available toxicology or environmental health information for a specific chemical	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for basic information on specific chemicals (e.g. structure, chemical properties)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for the link between exposure and disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for reproductive or genetic effects of specific chemicals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conducting risk assessment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Conducting scientific research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Responding to patient care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for information on medicines or prescription drugs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Responding to a hazardous materials emergency	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Looking for information on a specific disease, condition, diagnosis, or treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working or assisting others with a school project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (You must add your appropriate rating scale number to the end of your descriptor)

***9. What environmental and toxicology data sources do you frequently utilize? (please check all that apply)**

- TOXNET
- EBI (European Bioinformatics Institute) Database
- Google Scholar

***9. What environmental and toxicology data sources do you frequently utilize? (please check all that apply)**

- TOXNET
- Drug Information Portal
- Agency for Toxic Substances & Diseases Registry (ATSDR) Toxic Substances Portal
- Integrated Risk Information System (IRIS), EPA
- American Chemical Society, Chemical Abstracts Service (CAS) Databases
- ChemSpider
- Merck Index
- FDA Informatics and Computational Safety Analysis Staff (ICSAS) Toxicology Database
- NIEHS CEBS (Chemical Effects and Biological Systems)
- EBI (European Bioinformatics Institute) Database
- WISER (first responder database)
- IARC Monographs (International Agency for Research on Cancer)
- Comparative Toxicogenomics Database (CTD)
- National Toxicology Program (NTP)
- Toxic Release Inventory (TRI)
- MedLine/MedLinePlus
- PubMed
- PubChem
- Google Scholar
- International Toxicity Estimates for Risk Database (ITER)
- European Chemical Substances Information System (ESIS)
- Joint Meeting on Pesticide Residues (JMPR) Monographs
- Joint FAO/WHO Expert Committee on Food Additives (JECFA) Monographs
- Concise International Chemical Assessment Document (CICADS)
- International Chemical Safety Cards (ICSCs)
- Screening Information Datasets (SIDS) for High Production Volume Chemicals

Other (Please list as many as you wish)

***10. How familiar are you with the National Library of Medicine's Hazardous Substances Databank (HSDB)?**

- 1 Not at all familiar (never heard of it)
- 2 Somewhat familiar (know of it but have never used it)
- 3 Familiar (use occasionally)
- 4 Very familiar (use on a regular or semi-regular basis)
- 5 Expert (intimately familiar; use on ongoing, regular basis)

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*11. Please rate your level of agreement with the following statements:

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
The HSDB is a high-level resource for experts in the field of toxicology and environmental health.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB is straightforward and easy to use.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB is a good starting point for understanding the potential risks, or toxicity, associated with a chemical.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB is my go-to resource for risk assessment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I primarily use HSDB as a portal to other data sources.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I rely upon the HSDB because the data are peer reviewed.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The information contained in the HSDB is current.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you answered the last statement with a 2 or 1, How current would information need to be to satisfy your needs (ex:<5 years, <1year, inclusive of new publications or information within the last 6 months)?

*12. HSDB Users Rating Scale Continued

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
The information in HSDB is well organized.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***12. HSDB Users Rating Scale Continued**

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
The information in HSDB is well organized.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you answered 2 or 1, please explain your answer

***13. HSDB Users Rating Scale Continued**

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
I completely trust the information in the HSDB, as written.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowing that HSDB is a National Library of Medicine product increases my trust in the data.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
When I am looking for toxicology or environmental health information I go to HSDB first.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB is not a comprehensive resource.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have found HSDB to be missing important content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you answered 2 or 1 to the last question, please explain your answer

***14. HSDB Users Rating Scale Continued**

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
I have left HSDB for other resources because of missing content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you answered 5 or 4, please explain your answer

***15. HSDB Users Rating Scale Continued**

***15. HSDB Users Rating Scale Continued**

	5 strongly agree	4 agree	3 somewhat agree	2 disagree	1 strongly disagree	0 cannot comment
I have left HSDB for other resources because of difficulty in navigating the website.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have left HSDB for other resources because the information is not current.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would benefit from additional HSDB training resources, such as web-based tutorials.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I primarily access HSDB information from a desktop or laptop computer.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would utilize a mobile application for HSDB.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find the content of HSDB to be textually dense and sometimes overwhelming.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An enhanced search function would make HSDB a more valuable tool.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
HSDB should provide more international information (data and regulations).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I often end up at HSDB through other electronic resources (Google, other databases)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A plain language summary for each chemical would be a beneficial addition to the HSDB.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB is accessible to consumers and community groups, that is, I believe it would be easily accessed and used by these groups.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The HSDB would be a more valuable resource if it employed a toxicological ontology, such as OpenTox.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***16. Please choose the top 5 possible improvements to HSDB that you would like to see implemented. 1= most important improvement and 5=least important improvement (please only choose five and number 1-5 accordingly, for all others please select "Not in top 5").**

***16. Please choose the top 5 possible improvements to HSDB that you would like to see implemented. 1= most important improvement and 5=least important improvement (please only choose five and number 1-5 accordingly, for all others please select "Not in top 5").**

	1=Most important improvement	2	3	4	5 =Least important improvement	Not in top 5
Mobile application	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hyperlink to full-text articles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Additional subcategories (ex. Human Toxicity>Acute v. Chronic>high dose v. low dose)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to save/bookmark/return to a query	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced search functions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enhanced global perspective (integration of international data and regulations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enhanced user support tools such as online tutorials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Expanded content on systems biology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Links to monographs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Structural browser or groupings to facilitate "read across"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Additional information on the process of data extraction and the peer review process for the HSDB content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Email notifications of updates to the database and other pertinent information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to download data into my own databases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A more customized user experience, such as the ability to create custom reports of the data or enhanced flexibility in the way the information is presented	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Integration of data from other electronic resources, such as current publications from PubMed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Revised peer review process to speed up review times and improve currentness of information (currently 4-6 months to review 1 chemical)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A completely revised interface that provided access to current peer-reviewed information but also integrated and linked data, such as current publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Alphabetized site map	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hover effects (ex. hover over a link and see an excerpt from the destination, definitions, and explanations of acronyms)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced multi-category search feature (ex. Pyrene + liver + cancer)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reverse search feature (ex. pyrene - cancer or cancer - pyrene)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subject links to free content sources (NTP, EPA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subject links to paid content sources (Elsevier, PubMed)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subject links to other NLM resources (Medline, Toxnet, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subject links to original cited sources (ex. abstract and/or full text)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other:

***17. What categories of content (data fields) are not included in the HSDB that should be? (please check all that apply)**

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***17. What categories of content (data fields) are not included in the HSDB that should be? (please check all that apply)**

- Metabolomics
- Proteomics
- Lipidomics
- Genomics
- Transcriptomics
- Genetic and Molecular Toxicology
- Cellular and Molecular Mechanisms of Toxicity
- None of the fields are necessary
- Cannot comment

Other

***18. If the HSDB were to undergo a redesign, which Human Health Effects data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Toxicity Summary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evidence for Carcinogenicity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human Toxicity Excerpts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Skin, Eye and Respiratory Irritations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drug Warnings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical Surveillance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Populations at Special Risk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Probable Routes of Human Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Body Burden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Average Daily Intake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reported Fatal Dose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***19. If the HSDB were to undergo a redesign, which Emergency Medical Treatment data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Emergency Medical Treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antidote and Emergency Treatment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***20. If the HSDB were to undergo a redesign, which Animal Toxicity Studies data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Toxicity Summary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Evidence for Carcinogenicity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-Human Toxicity Excerpts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
National Toxicology Program Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-Human Toxicity Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ecotoxicity Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ongoing Test Status	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TSCA Test Submissions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***21. If the HSDB were to undergo a redesign, which Metabolism/Pharmacokinetics data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Metabolism/Metabolites	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Absorption, Distribution & Excretion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Biological Half-Life	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mechanism of Action	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interactions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***22. If the HSDB were to undergo a redesign, which Pharmacology data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Therapeutic Uses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drug Warnings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interactions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reported Fatal Dose	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***23. If the HSDB were to undergo a redesign, which Environmental Fate & Exposure data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
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***23. If the HSDB were to undergo a redesign, which Environmental Fate & Exposure data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Environmental Fate/Exposure Summary	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Probable Routes of Human Exposure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Body Burden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Average Daily Intake	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Natural Pollution Sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Artificial Pollution Sources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Fate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Biodegradation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Abiotic Degradation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Bioconcentration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soil Adsorption/Mobility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volatilization from Water/Soil	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Environmental Water Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effluent Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sediment/Soil Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atmospheric Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Food Survey Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plant Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fish/Seafood Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Milk Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Environmental Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***24. If the HSDB were to undergo a redesign, which Environmental Standards & Regulations data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
FIFRA Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acceptable Daily Intakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Environmental water Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effluent Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sediment/Soil Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atmospheric Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Food Survey Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plant Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fish/Seafood Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Milk Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Environmental Concentrations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***24. If the HSDB were to undergo a redesign, which Environmental Standards & Regulations data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
FIFRA Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acceptable Daily Intakes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CERCLA Reportable Quantities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RCRA Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atmospheric Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean Water Act Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal Drinking Water Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
State Drinking Water Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
State Drinking Water Guidelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
FDA Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Allowable Tolerances	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***25. If the HSDB were to undergo a redesign, which Chemical/Physical Propertiest data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Molecular Formula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Molecular Weight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Color/Form	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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FDA Requirements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Allowable Tolerances	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***25. If the HSDB were to undergo a redesign, which Chemical/Physical Properties data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Molecular Formula	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Molecular Weight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Color/Form	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Odor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Taste	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Boiling Point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Melting Point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Critical Temperature & Pressure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Density/Specific Gravity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heat of Combustion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Heat of Vaporization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Octanol/Water Partition Coefficient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solubilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spectral Properties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Surface Tension	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vapor Density	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vapor Pressure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relative Evaporation Rate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Viscosity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Chemical/Physical Properties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***26. If the HSDB were to undergo a redesign, which Chemical Safety & Handling data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
DOT Emergency Guidelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other Chemical Physical Properties

***26. If the HSDB were to undergo a redesign, which Chemical Safety & Handling data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
DOT Emergency Guidelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Odor Threshold	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Skin, Eye and Respiratory Irritations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fire Potential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NFPA Hazard Classification	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flammable Limits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flash Point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Autoignition Temperature	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fire Fighting Procedures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Firefighting Hazards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Explosive Limits & Potential	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hazardous Reactivities & Incompatibilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prior History of Accidents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Immediately Dangerous to Life or Health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Protective Equipment & Clothing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preventive Measures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shipment Methods and Regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Storage Conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cleanup Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Disposal Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***27. If the HSDB were to undergo a redesign, which Occupational Exposure Standards data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
OSHA Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Threshold Limit Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***27. If the HSDB were to undergo a redesign, which Occupational Exposure Standards data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
OSHA Standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Threshold Limit Values	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NIOSH Recommendations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Immediately Dangerous to Life or Health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Standards Regulations and Guidelines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***28. If the HSDB were to undergo a redesign, which Manufacturing/Use Information data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Major Uses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manufacturers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Methods of Manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General Manufacturing Information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Formulations/Preparations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Impurities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consumption Patterns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
U. S. Production	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
U. S. Imports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
U. S. Exports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***29. If the HSDB were to undergo a redesign, which Laboratory Methods data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Clinical Laboratory Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analytic Laboratory Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sampling Procedures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***30. If the HSDB were to undergo a redesign, which Special References data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
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Clinical Laboratory Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analytic Laboratory Methods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sampling Procedures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***30. If the HSDB were to undergo a redesign, which Special References data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Special Reports	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***31. If the HSDB were to undergo a redesign, which Synonyms and Identifiers data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Related HSDB Records	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Synonyms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Formulations/Preparations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shipping Name/ Number DOT/UN/NA/IMO	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standard Transportation Number	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
EPA Hazardous Waste Number	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***32. If the HSDB were to undergo a redesign, which Administrative Information data fields do you believe must remain or be eliminated?**

	Must Keep	Eliminate	Neutral	Cannot comment
Hazardous Substances Databank Number	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Last Revision Date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Last Review Date	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Update History	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***33. How do you query the database? (please describe)**

***34. Are there queries you cannot execute that you would like to?**

***34. Are there queries you cannot execute that you would like to?**

- Yes
- No

If yes, please describe.

***35. Specifically, how do you most frequently access the HSDB?**

- Office computer
- Home computer
- Smart phone (examples: iPhone, Droid)
- Tablet or netbook (examples: IPad, Samsung Tablet)

Other:

***36. How does HSDB Rank on Credibility / Confidence? (5=Excellent and 1=Poor, 9=Can't comment) Please number 1-5 accordingly**

	5 Excellent	4 Good	3 Average	2 Somewhat poor	1 Poor	9 Can't comment
Transparency of data compilation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peer review process	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Content credibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Age of content/currentness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reliability of original sources used	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NIH/NLM credibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***37. How does HSDB Rank on User Interface? (5=Excellent and 1=Poor, 9=Can't comment) Please number 1-5 accordingly**

	5 Excellent	4 Good	3 Average	2 Somewhat poor	1 poor	9 Can't comment
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Reliability of original sources used	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
NIH/NLM credibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***37. How does HSDB Rank on User Interface? (5=Excellent and 1=Poor, 9=Can't comment) Please number 1-5 accordingly**

	5 Excellent	4 Good	3 Average	2 Somewhat poor	1 poor	9 Can't comment
Appearance of site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ease of use and navigation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency in color and font size	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Well explained definitions, acronyms and synonyms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Back buttons and/or other navigation tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Training/tutorials (interactive, video, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use on mobile devices (smartphone, tablet, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***38. How does HSDB Rank on Utility / Comprehensiveness? (5=Excellent and 1=Poor, 9=Can't comment) Please number 1-5 accordingly**

	5 Excellent	4 Good	3 Average	2 Somewhat poor	1 poor	9 Can't comment
Global-related content (i.e. applicable to REACH, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Includes information on current, emerging issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identification of updates in records and gaps in HSDB content (such as ranking of completeness)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to save or extract content in formats that you find useful in your everyday tasks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citable monographs, summaries, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***39. What is your overall level of satisfaction with the HSDB?**

1 Very dissatisfied

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HSDB content (such as ranking of completeness)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ability to save or extract content in formats that you find useful in your everyday tasks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citable monographs, summaries, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***39. What is your overall level of satisfaction with the HSDB?**

- 1 Very dissatisfied
- 2
- 3 Neutral
- 4
- 5 Very satisfied

***40. Please rate your level of agreement with this statement: "The HSDB needs a major overhaul to remain a comprehensive, state-of-the-science expert resource."**

- 1 Disagree completely
- 2
- 3 Neutral
- 4
- 5 Agree completely

***41. Please provide any other comments or suggestions:**

- I have nothing further to add

My comments/suggestions: