Haz-Map
Tool for the SH&E Professional
Haz-Map

- Imagine trying to find a food item, a can of tennis balls, a bookcase, a bathing suit, or a needle and thread in a big-box store that has no marked sections or categories.

- This is similar to the challenge faced by those looking for information about the health effects after an occupational exposure.
Haz-Map

- Haz-Map is a decision-support computer application for occupational safety and health professionals that we use at HMTRI and Kirkwood.
- Its aim is to help S&H professionals recognize and prevent diseases caused by chemical and biological agents in the workplace.
Haz–Map

- The information in the database was comprehensively collected and indexed.
- It was designed to help users quickly drill down to the needed information.
- Users can find information about diseases or chemicals by text searching, browsing categories or querying the database.
- Queries make use of pick lists and drop-down lists to find chemicals (by adverse effect or process) and diseases (by symptom or job).
Haz–Map

- Website: http://hazmap.nlm.nih.gov
Haz-Map: Information on Hazardous Chemicals and Occupational Diseases

by

Jay J. Brown, M.D., M.P.H.

Haz-Map Fact Sheet | Download Haz-Map Brochure | List of All Topics

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Last updated: November 23, 2007
Browse Haz-Map: Jobs

- Hairdressers, Hair Stylists & Cosmetologists
- Hazardous Materials Removal Workers
- Health-Related Workers, All Other
- Healthcare Support Workers, All Other
- Heat Treating Equipment Operators and Tenders, Metal and Plastic
- Heating, Air Conditioning & Refrigeration Mechanics & Installers
- Helpers, Brick, Block, & Stonemasons, & Tile & Marble Setters
- Helpers, Carpenters
- Helpers, Construction Trades Workers, All Other
- Helpers, Electricians
- Helpers, Extractive Workers
- Helpers, Painters, Paperhangers, Plasterers, & Stucco Masons
- Helpers, Pipefitters, Plumbers, Steamfitters & Stokers
- Helpers, Roofers
- Highway Maintenance Workers
- Home Health Aides
- Hunters and Trappers
### Hazardous Materials Removal Workers

**Job Name:** Hazardous Materials Removal Workers

**Description:** Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, contaminated soil, etc. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks.

**Category:** Construction

**SOC Code:** 07-4041

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**Related Information in Haz-Map**

**Job Tasks:** High risk job tasks associated with this job:

- Remove lead coatings
- Repair or maintain gasoline or jet fuel tanks
**Haz-Map: Occupational Exposure to Hazardous Agents**

**Browse Haz-Map**

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Hazardous Materials Removal Workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Identify, remove, pack, transport, or dispose of hazardous materials, including asbestos, lead-based paint, waste oil, fuel, transmission fluid, radioactive materials, contaminated soil, etc. Specialized training and certification in hazardous materials handling or a confined entry permit are generally required. May operate earth-moving equipment or trucks.</td>
</tr>
<tr>
<td>Category</td>
<td>Construction</td>
</tr>
<tr>
<td>SOC Code</td>
<td>07-4041</td>
</tr>
</tbody>
</table>

**Related Information in Haz-Map**

**Job Tasks**

- Remove lead coatings
- Repair or maintain gasoline or jet fuel tanks

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Last updated: November 2007
TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

### Select Database
- ChemIDplus
- HSDB
- TOXLINE
- CCRIS
- DART
- GENETOX
- IRIS
- ITER
- LexMed
- NLMni Database
- TPL
- Haz-Map
- Household Products
- TOXMAP

### Search All Databases
- **radioactive materials**
  - (e.g. asthma air pollution, ibuprofen fever, vinyl chloride)

### References from Biomedical Literature
- **TOXLINE** - Toxicology Literature Online
  - 12440
- **DART** - Developmental Toxicology Literature
  - 35

### Chemical, Toxicological, and Environmental Health Data
<table>
<thead>
<tr>
<th>Database</th>
<th>Description</th>
<th>Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSDB</td>
<td>Hazardous Substances Data Bank</td>
<td>449</td>
</tr>
<tr>
<td>IRIS</td>
<td>Integrated Risk Information</td>
<td>0</td>
</tr>
<tr>
<td>ITER</td>
<td>International Toxicity Estimates for Risk</td>
<td>0</td>
</tr>
<tr>
<td>GENETOX</td>
<td>Genetic Toxicology Data</td>
<td>0</td>
</tr>
<tr>
<td>CPDR</td>
<td>Chemical Carcinogenesis Information</td>
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<tr>
<td>TPL</td>
<td>Toxic Release Inventory</td>
<td>0</td>
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<tr>
<td>TOXMAP</td>
<td>Environmental Health e-Maps</td>
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</tbody>
</table>

### Additional Resource
- CPDB

**Env. Health & Toxicology**
- Portal to environmental health and toxicology resources.

**Support Pages**
- Help
- TOXNET FAQ
- TOXNET Update Status
- Fact Sheet
- Database Description
- Training Manuals
- News
HSDB Search Results

For chemicals, add synonyms and CAS numbers to search: Yes  No

Items 1 through 20 of 149

Substance Names are sorted in relevancy ranked order.

<table>
<thead>
<tr>
<th>Select</th>
<th>Substance Name</th>
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<tbody>
<tr>
<td>Record</td>
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<tr>
<td>1</td>
<td>URANIUM, RADIOACTIVE</td>
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<td></td>
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<tr>
<td>2</td>
<td>IONIZING RADIATION</td>
</tr>
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<td></td>
<td>NO CAS RN</td>
</tr>
<tr>
<td>3</td>
<td>PLUTonium, RADIOACTIVE</td>
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<td></td>
<td>NO CAS RN</td>
</tr>
<tr>
<td>4</td>
<td>URANIUM HEXAFLUORIDE</td>
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<tr>
<td></td>
<td>7783-81-5</td>
</tr>
<tr>
<td>5</td>
<td>IODINE, RADIOACTIVE</td>
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<td></td>
<td>NO CAS RN</td>
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<tr>
<td>6</td>
<td>CESIUM, RADIOACTIVE</td>
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<td></td>
<td>NO CAS RN</td>
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</tbody>
</table>
Haz-Map: Occupational Exposure to Hazardous Agents

Browse Haz-Map

- Non Occupational Activities
  1. By Types of Activities
  2. Alphabetically

- Industries
  1. By Types of Industries
  2. Alphabetically

- Job Tasks
  1. By Types of Job Tasks
  2. Alphabetically

- Processes
  1. By Types of Processes
  2. Alphabetically

- Symptoms/Findings
  1. By Types of Symptoms/Findings
  2. Alphabetically

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Haz–Map Conclusion

- Haz–Map is an example of an intelligent database that stores information for easy retrieval and decision support.
- It shows the usefulness of mapping a complex knowledge domain using interrelated tables and a controlled vocabulary.