

# CSAT Top-Screen

Questions

January 2009

Version 2.8



Homeland  
Security



## **General**

The Department of Homeland Security will use the information you provide in this Top-Screen/Chemical Security Assessment Tool to determine whether particular facilities present a high level of security risk. Your provision of accurate information in this Top-Screen is critical to enabling the Department to make well informed decisions designed to reduce the Nation's risk.

The Department will base its determinations, in part, upon the information provided in this Top-Screen/Chemical Security Assessment Tool. The information provided in the Top-Screen/Chemical Security Assessment Tool will not, therefore, be the sole or definitive basis upon which the Department will categorize facilities as presenting a high level of security risk.

In the first part of the Top-Screen/Chemical Security Assessment Tool, the Department seeks information concerning the presence and amounts of certain chemicals. The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

### **Paperwork Burden Notice:**

The public reporting burden for this form is estimated to be 30.3 hours. The burden estimate includes time for reviewing instructions, researching existing data sources, gathering and maintaining the needed data, and completing and submitting the form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: NPPD/OIP/Infrastructure Security Compliance Division, Attention: Dennis Deziel, Project Manager, U.S. Department of Homeland Security, Mail Stop 8100, Washington, DC 20528-8100.

(Paperwork Reduction Project (1670-0007)). Your response is mandatory according to Public Law 109- 295 Section 550. You are not required to respond to this collection of information unless a valid OMB control number is displayed in the upper right corner of this form. NOTE: DO NOT send your completed form to this address.

### **Submission Statement:**

My statements in this submission are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that a knowing and willful false statement on this form can be punished by fine or imprisonment or both. (See section 1001 of title 18, United States Code).



## Facility Description

### Choose the facility type that best describes your facility

[Q:1.1-65]

- Chemical manufacturing, usage, storage, and distribution
- Petroleum refining
- Liquefied natural gas storage

## Facility Regulatory Mandates

### Is the facility regulated pursuant to the Maritime Transportation Security Act of 2002, Public Law 107-295, as amended?

[Q:1.3-85]

- Yes, the facility is regulated pursuant to MTSA.
- No, the facility is not regulated pursuant to MTSA
- Partially: The site includes both a facility regulated pursuant to MTSA and a facility not regulated pursuant to MTSA.

▲ If the site includes both a facility regulated pursuant to the Maritime Transportation Security Act of 2002, Public Law 107-295, as amended, and a facility not regulated pursuant to the Maritime Transportation Security Act, select "Partially" and continue to fill out the screen for the facility not subject to the Maritime Transportation Security Act.

### Is the facility a Public Water Systems, as defined by section 1401 of the Safe Drinking Act, Public Law 93-523, as amended?

[Q:1.3-86]

- Yes, the facility is a Public Water System.
- No, the facility is not a Public Water System.
- Partially: the facility contains a Public Water System regulated under the Safe Drinking Water Act, but also contains components that are not so regulated.

▲ If the facility contains a Public Water System as defined by the Safe Drinking Water Act, but also contains components that are not covered by that definition, select "Partially" and continue to fill out the screen for the portion of the facility not so defined under the Safe Drinking Water Act.



**Is the facility regulated as a Treatment Works as defined in section 212 of the Federal Water Pollution Control Act, Public Law 92-500, as amended?**

[Q:1.3-87]

- Yes, the facility is regulated as a Treatment Works.
- No, the facility is not regulated as a Treatment Works.
- Partially: the site contains Treatment Works regulated under the Federal Water Pollution Control Act, but also contains a facility or portion of a facility not so regulated.

▲ If the facility contains a Treatment Works as defined by the Federal Water Pollution Control Act, but also contains components that are not covered by that definition, select "Partially" and continue to fill out the screen for the portion of the facility not so defined under the Federal Water Pollution Control Act.

**Is the facility owned or operated by the Department of Defense?**

[Q:1.3-88]

- Yes
- No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.

**Is the facility owned or operated by the Department of Energy?**

[Q:1.3-89]

- Yes
- No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.

**Is the facility subject to regulation by the Nuclear Regulatory Commission?**

[Q:1.3-90]

- Yes
- No

▲ For further information or discussion of this type of exemption, please refer to the Interim Final Rule.



## Release Toxics

### Release Toxic Chemicals of Interest

The presence or amount of a particular chemical is not the sole factor in determining whether a facility presents a high level of security risk. This information informs the subsequent parts of the Department's assessment. The Department will use its best judgment and all available information in determining whether a facility presents a high level of security risk.

**Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility?**

Check "Yes" if the facility either currently possesses or possessed within the past 60 days the COI at or above the screening threshold quantity.

*(The default settings on this list indicate that the chemicals are NOT currently present on site nor have been onsite within the past 60 days. At the end of the list, you must indicate that these settings have been changed as applicable to the facility.)*

These chemicals were determined by the US Department of Homeland Security to be a potential security risk at "high risk chemical facilities" as defined in Section 550 the Department of Homeland Security Act of 2007. A facility should indicate which COI it either currently possesses or possessed within the past 60 days at or above the screening threshold quantity.

If "No" selected for all chemicals, go to [Release Flammables](#) (page 44)



## CSAT Top-Screen Questions

OMB PRA # 1670-0007  
Expires: 5/31/2011

[Q:2.0-121]

| Chemical Name  | CAS#       | Min. Conc. | Screening Threshold Quantity | Do you manufacture, process, use, store, or distribute any of the following release toxic chemicals of interest (COI) at or above the screening threshold quantity at your facility? |                       |
|--|------------|------------|------------------------------|--|-----------------------|
|  |            |            |                              | Yes  | No                    |
| Acrolein<br>[2-Propenal or Acrylaldehyde]  | 107-02-8   | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Allyl alcohol<br>[2-Propen-1-ol]   | 107-18-6   | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Ammonia (anhydrous)  | 7664-41-7  | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Ammonia (conc. 20% or greater)   | 7664-41-7  | 20.00%     | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Arsenic trichloride<br>[Arsenous trichloride]  | 7784-34-1  | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Arsine   | 7784-42-1  | 1.00%      | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Boron trichloride<br>[Borane, trichloro]   | 10294-34-5 | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Boron trifluoride<br>[Borane, trifluoro]   | 7637-07-2  | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Boron trifluoride compound with methyl ether (1:1)<br>[Boron, trifluoro [oxybis (methane)]-, T-4-] | 353-42-4   | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Bromine  | 7726-95-6  | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Carbon disulfide   | 75-15-0    | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |



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|---|------------|------------|------------------------------|--|-----------------------|
|   |            |            |                              | Yes  | No                    |
| Chlorine  | 7782-50-5  | 1.00%      | 2,500 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Chlorine dioxide<br>[Chlorine oxide, ClO <sub>2</sub> ] | 10049-04-4 | 1.00%      | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Chloroform<br>[Methane, trichloro-]                     | 67-66-3    | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Chloromethyl ether<br>[Methane, oxybis(chloro-)]        | 542-88-1   | 1.00%      | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Chloromethyl methyl ether<br>[Methane, chloromethoxy-]  | 107-30-2   | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Cyanogen chloride                                       | 506-77-4   | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Cyclohexylamine<br>[Cyclohexanamine]                    | 108-91-8   | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Diborane  | 19287-45-7 | 1.00%      | 2,500 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Epichlorohydrin<br>[Oxirane, (chloromethyl)-]           | 106-89-8   | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Ethylenediamine<br>[1,2-Ethanediamine]                  | 107-15-3   | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Fluorine  | 7782-41-4  | 1.00%      | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |



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|---|-----------|------------|------------------------------|--|-----------------------|
|   |           |            |                              | Yes  | No                    |
| Formaldehyde (solution)   | 50-00-0   | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Hydrochloric acid (conc. 37% or greater)                                | 7647-01-0 | 37.00%     | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Hydrocyanic acid  | 74-90-8   | 1.00%      | 2,500 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Hydrofluoric acid (conc. 50% or greater)                                | 7664-39-3 | 50.00%     | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Hydrogen chloride (anhydrous)   | 7647-01-0 | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Hydrogen fluoride (anhydrous)   | 7664-39-3 | 1.00%      | 1,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Hydrogen sulfide  | 7783-06-4 | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Isobutyronitrile<br>[Propanenitrile, 2-methyl-]                         | 78-82-0   | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Isopropyl chloroformate<br>[Carbonochloridic acid, 1-methylethyl ester] | 108-23-6  | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Methacrylonitrile<br>[2-Propenenitrile, 2-methyl-]                      | 126-98-7  | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Methyl hydrazine<br>[Hydrazine, methyl-]                                | 60-34-4   | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Methyl isocyanate<br>[Methane, isocyanato-]                             | 624-83-9  | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |





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|---|------------|------------|------------------------------|--|-----------------------|
|   |            |            |                              | Yes  | No                    |
| Methyl thiocyanate<br>[Thiocyanic acid, methyl ester]                         | 556-64-9   | 1.00%      | 20,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Nitric acid   | 7697-37-2  | 80.00%     | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Nitric oxide<br>[Nitrogen oxide (NO)]   | 10102-43-9 | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Oleum (Fuming Sulfuric acid)<br>[Sulfuric acid, mixture with sulfur trioxide] | 8014-95-7  | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Perchloromethylmercaptan<br>[Methanesulfenyl chloride, trichloro-]            | 594-42-3   | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Phosgene<br>[Carbonic dichloride] or [carbonyl dichloride]                    | 75-44-5    | 1.00%      | 500 lbs                      | <input type="radio"/>  | <input type="radio"/> |
| Phosphorus oxychloride<br>[Phosphoryl chloride]                               | 10025-87-3 | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Phosphorus trichloride  | 7719-12-2  | 1.00%      | 15,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Propionitrile<br>[Propanenitrile]   | 107-12-0   | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Propyleneimine<br>[Aziridine, 2-methyl-]                                      | 75-55-8    | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Sulfur dioxide (anhydrous)  | 7446-09-5  | 1.00%      | 5,000 lbs                    | <input type="radio"/>  | <input type="radio"/> |



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|---|-----------|------------|------------------------------|--|-----------------------|
|   |           |            |                              | Yes  | No                    |
| Sulfur tetrafluoride<br>[Sulfur fluoride (SF <sub>4</sub> ), (T-4)-]      | 7783-60-0 | 1.00%      | 2,500 lbs                    | <input type="radio"/>  | <input type="radio"/> |
| Sulfur trioxide   | 7446-11-9 | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Tetramethyllead<br>[Plumbane, tetramethyl-]                               | 75-74-1   | 1.00%      | 10,000 lbs                   | <input type="radio"/>  | <input type="radio"/> |
| Titanium tetrachloride<br>[Titanium chloride (TiCl <sub>4</sub> ) (T-4)-] | 7550-45-0 | 1.00%      | 2,500 lbs                    | <input type="radio"/>  | <input type="radio"/> |

The list above has been reviewed and all chemicals of interest that the facility either currently possesses or possessed within the past 60 days at or above the screening threshold quantity have been indicated by selecting "Yes."

[Q:2.0-631]

- Yes
- No