

## APPENDIX A TO PART 27—DHS CHEMICALS OF INTEREST

Appendix A to Part 27. -- DHS Chemicals of Interest<sup>1</sup>

| Chemicals of Interest<br>(COI)   | Synonym                       | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue   |                       |                       |                 |              |                   |                        |   |
|--|-------------------------------|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|------------------|-----------------------|-----------------------|-----------------|--------------|-------------------|------------------------|---|
|  |                               |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release -- Toxic | Release -- Flammables | Release -- Explosives | Theft -- CW/CWP | Theft -- WME | Theft -- EXP/IEDP | Sabotage/Contamination |   |
| Acetaldehyde   |                               | 75-07-0                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                  | X                     |                       |                 |              |                   |                        | X |
| Acetone cyanohydrin, stabilized  |                               | 75-86-5                           |                           |  |                           |   | ACG                       | APA                            |                  |                       |                       |                 |              |                   |                        |   |
| Acetyl bromide   |                               | 506-96-7                          |                           |  |                           |   |                           | APA                            |                  |                       |                       |                 |              |                   |                        | X |
| Acetyl chloride  |                               | 75-35-5                           |                           |  |                           |   |                           | ACG                            | APA              |                       |                       |                 |              |                   |                        | X |
| Acetyl iodide  |                               | 507-02-8                          |                           |  |                           |   |                           | ACG                            | APA              |                       |                       |                 |              |                   |                        | X |
| Acetylene  | [Ethyne]                      | 74-86-2                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                  |                       | X                     |                 |              |                   |                        |   |
| Acrolein   | [2-Propenal] or Acrylaldehyde | 107-02-8                          | 1.00                      | 5,000                                      |                           |   |                           |                                |                  | X                     |                       |                 |              |                   |                        |   |
| Acrylonitrile  | [2-Propenenitrile]            | 107-13-1                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                  |                       |                       | X               |              |                   |                        |   |
| Acrylyl chloride   | [2-Propenoyl chloride]        | 814-68-6                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                  |                       | X                     |                 |              |                   |                        |   |
| Allyl alcohol  | [2-Propen-1-ol]               | 107-18-6                          | 1.00                      | 15,000                                     |                           |   |                           |                                |                  |                       | X                     |                 |              |                   |                        |   |
| Allylamine   | [2-Propen-1-amine]            | 107-11-9                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                  |                       |                       | X               |              |                   |                        |   |
| Allylchlorosilane, stabilized  |                               | 107-37-9                          |                           |  |                           |   |                           | ACG                            | APA              |                       |                       |                 |              |                   |                        | X |
| Aluminum (powder)  |                               | 7429-90-5                         |                           |  |                           | ACG   | 100                       |                                |                  |                       |                       |                 |              | X                 |                        |   |
| Aluminum bromide, anhydrous  |                               | 7727-15-3                         |                           |  |                           |   |                           | ACG                            | APA              |                       |                       |                 |              |                   |                        | X |
| Aluminum chloride, anhydrous   |                               | 7446-70-0                         |                           |  |                           |   |                           |                                | APA              |                       |                       |                 |              |                   |                        | X |
| Aluminum phosphide   |                               | 20859-73-8                        |                           |  |                           |   |                           |                                | ACG              |                       |                       |                 |              |                   |                        | X |
| Ammonia (anhydrous)  |                               | 7664-41-7                         | 1.00                      | 10,000                                     |                           |   |                           |                                | ACG              | APA                   |                       |                 |              |                   |                        |   |
| Ammonia (conc. 20% or greater)   |                               | 7664-41-7                         | 20.00                     | 20,000                                     |                           |   |                           |                                |                  |                       | X                     |                 |              |                   |                        |   |
| Ammonium nitrate, [with more than 0.2 percent combustible substances, including any organic substance calculated as carbon, to the exclusion of any other added substance] |                               | 6484-52-2                         | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                  |                       |                       | X               |              |                   |                        | X |

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| Chemicals of Interest (COI)  | Synonym                                   | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue        |                       |                 |              |                  |                        |
|--|---|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------------|-----------------------|-----------------|--------------|------------------|------------------------|
|  |   |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release -- Flammables | Release -- Explosives | Theft -- CW/CWP | Theft -- WME | Theft -- EXP/EDP | Sabotage/Contamination |
| Ammonium nitrate, solid [nitrogen concentration of 23% or greater] |   | 6484-52-2                         |                           |  | 33.00                     | 2000  |                           |                                |                       |                       |                 |              | X                |                        |
| Ammonium perchlorate   |   | 7790-98-9                         | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                       | X                     |                 |              | X                |                        |
| Ammonium picrate   |   | 131-74-8                          | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                       | X                     |                 |              | X                |                        |
| Amyltrichlorosilane  |   | 107-72-2                          |                           |  |                           |   | ACG                       | APA                            |                       |                       |                 |              |                  | X                      |
| Antimony pentafluoride   |   | 7783-70-2                         |                           |  |                           |   | ACG                       | APA                            |                       |                       |                 |              |                  | X                      |
| Arsenic trichloride  | [Arsenous trichloride]                    | 7784-34-1                         | 1.00                      | 15,000                                     | 30.00                     | 2.2   |                           |                                | X                     |                       |                 |              |                  |                        |
| Arsine   |   | 7784-42-1                         | 1.00                      | 1,000                                      | 0.67                      | 15  |                           |                                | X                     |                       |                 |              |                  |                        |
| Barium azide   |   | 18810-58-7                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                       | X                     |                 |              | X                |                        |
| 1,4-Bis(2-chloroethylthio)-n-butane                                |   | 142868-93-7                       |                           |  |                           | CUM 100g  |                           |                                |                       |                       | X               |              |                  |                        |
| Bis(2-chloroethylthio)methane                                      |   | 63869-13-6                        |                           |  |                           | CUM 100g  |                           |                                |                       |                       | X               |              |                  |                        |
| Bis(2-chloroethylthiomethyl)ether                                  |   | 63918-90-1                        |                           |  |                           | CUM 100g  |                           |                                |                       |                       | X               |              |                  |                        |
| 1,6-Bis(2-chloroethylthio)-n-pentane                               |   | 142868-94-8                       |                           |  |                           | CUM 100g  |                           |                                |                       |                       | X               |              |                  |                        |
| 1,3-Bis(2-chloroethylthio)-n-propane                               |   | 63905-10-2                        |                           |  |                           | CUM 100g  |                           |                                |                       |                       | X               |              |                  |                        |
| Boron trichloride  |   | 10294-33-4                        |                           |  |                           |   |                           |                                |                       |                       |                 |              |                  | X                      |
| Boron trichloride  | [Borane, trichloro]                       | 10294-34-5                        | 1.00                      | 5,000                                      | 12.67                     | 45  | ACG                       | APA                            |                       |                       |                 | X            |                  |                        |
| Boron trifluoride  | [Borane, trifluoro]                       | 7637-07-2                         | 1.00                      | 5,000                                      | 84.70                     | 45  |                           |                                | X                     |                       |                 | X            |                  |                        |
| Boron trifluoride compound with methyl ether (1:1)                 | [Boron, trifluoro [oxybis (methane)] T-4] | 353-42-4                          | 1.00                      | 15,000                                     | 26.87                     | 45  |                           |                                | X                     |                       |                 |              |                  |                        |
| Bromine  |   | 7726-95-6                         | 1.00                      | 10,000                                     |                           |   |                           |                                | X                     |                       |                 |              |                  |                        |
| Bromine chloride   |   | 13663-41-7                        |                           |  | 9.67                      | 45  |                           |                                |                       |                       |                 | X            |                  |                        |
| Bromine pentafluoride  |   | 7789-30-2                         |                           |  |                           |   | ACG                       | APA                            |                       |                       |                 |              |                  | X                      |
| Bromine trifluoride  |   | 7787-71-5                         |                           |  | 6.00                      | 45  | ACG                       | APA                            |                       |                       |                 | X            |                  | X                      |
| Bromotrifluoroethylene   | [Ethena, bromotrifluoro-]                 | 598-73-2                          | 1.00                      | 10,000                                     |                           |   |                           |                                | X                     |                       |                 |              |                  |                        |

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| Chemicals of Interest<br>(COI)        | Synonym   | Chemical<br>Abstract<br>Service<br>(CAS) # | Release                   |   | Theft                     |   | Sabotage                  |                                   | Security Issue  |                      |                      |                |             |                 |                        |   |
|---------------------------------------|---|--|---------------------------|---|---------------------------|---|---------------------------|-----------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|---|
|                                       |   |  | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds unless<br>otherwise noted) | Minimum Concentration (%) | Screening Threshold<br>Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CWP | Theft - WME | Theft - EXP/EDP | Sabotage/Contamination |   |
| 1,3-Butadiene                         |   | 106-99-0                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Butane                                |   | 106-97-8                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Butene                                |   | 25167-67-3                                 | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| 1-Butene                              |   | 106-98-9                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| 2-Butene                              |   | 107-01-7                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| 2-Butene-cis                          |   | 590-18-1                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| 2-Butene-trans                        |   | 624-84-6                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Butylchlorosilane                     |   | 7521-90-4                                  |                           |   |                           |   |                           |                                   | ACG APA         |                      |                      |                |             |                 | X                      |   |
| Calcium hydrosulfide                  |   | 18512-36-4                                 |                           |   |                           |   |                           |                                   | ACG APA         |                      |                      |                |             |                 | X                      |   |
| Calcium phosphide                     |   | 1305-98-3                                  |                           |   |                           |   |                           |                                   | ACG APA         |                      |                      |                |             |                 | X                      |   |
| Carbon disulfide                      |   | 75-15-0                                    | 1.00                      | 20,000  |                           |   |                           |                                   |                 |                      |                      |                |             |                 | X                      |   |
| Carbon oxysulfide                     | [Carbon oxide sulfide (COS);<br>carbonyl sulfide] | 463-58-1                                   | 1.00                      | 10,000  |                           |   |                           |                                   | X               |                      |                      |                |             |                 |                        |   |
| Carbonyl fluoride                     |   | 353-50-4                                   |                           |   | 12.00                     | 45  |                           |                                   |                 |                      |                      |                |             |                 |                        |   |
| Carbonyl sulfide                      |   | 463-58-1                                   |                           |   | 56.67                     | 500   |                           |                                   |                 |                      |                      |                |             |                 |                        |   |
| Chlorine                              |   | 7782-50-5                                  | 1.00                      | 2,500   | 9.77                      | 500   |                           |                                   |                 |                      |                      | X              | X           | X               |                        |   |
| Chlorine dioxide                      | [Chlorine oxide, (ClO2)]                          | 10049-04-4                                 | 1.00                      | 1,000   |                           |   |                           |                                   | X               |                      |                      |                |             |                 |                        |   |
| Chlorine monoxide                     | [Chlorine oxide]                                  | 7791-21-1                                  | 1.00                      | 10,000  |                           |   |                           | ACG APA                           | X               |                      |                      |                |             |                 | X                      |   |
| Chlorine pentafluoride                |   | 13637-63-3                                 |                           |   |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Chlorine trifluoride                  |   | 7790-91-2                                  |                           |   | 4.07                      | 15  |                           |                                   |                 |                      |                      |                | X           |                 |                        |   |
| Chloroacetyl chloride                 |   | 79-04-9                                    |                           |   | 9.97                      | 45  |                           |                                   |                 |                      |                      |                | X           |                 |                        |   |
| 2-Chloroethylchloro-<br>methylsulfide |   | 2625-76-5                                  |                           |   | CUM                       | 100g  |                           | ACG APA                           |                 |                      |                      |                | X           |                 |                        | X |
| Chloroform                            | [Methane, trichloro-]                             | 67-66-3                                    | 1.00                      | 20,000  |                           |   |                           |                                   |                 |                      |                      | X              |             |                 |                        |   |
| Chloromethyl ether                    | [Methane, oxybis(chloro-)]                        | 542-88-1                                   | 1.00                      | 1,000   |                           |   |                           |                                   | X               |                      |                      |                |             |                 |                        |   |
| Chloromethyl methyl ether             | [Methane, chloromethoxy-]                         | 107-30-2                                   | 1.00                      | 5,000   |                           |   |                           |                                   | X               |                      |                      |                |             |                 |                        |   |
| 1-Chloropropylene                     | [1-Propene, 1-chloro-]                            | 590-21-6                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      |                      |                |             |                 | X                      |   |
| 1-Chloropropylene                     | [1-Propene, 2-chloro-]                            | 557-98-2                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      |                      |                |             |                 | X                      |   |

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| Chemicals of Interest<br>(COI)                                 | Synonym                                    | Chemical<br>Abstract<br>Service<br>(CAS) # | Release                   |   | Theft                     |   | Sabotage                  |                                   | Security Issue       |                      |                |             |                  |                        |   |
|--|--|--|---------------------------|---|---------------------------|---|---------------------------|-----------------------------------|----------------------|----------------------|----------------|-------------|------------------|------------------------|---|
|  |  |  | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds unless<br>otherwise noted) | Minimum Concentration (%) | Screening Threshold<br>Quantities | Release - Flammables | Release - Explosives | Theft - CW/CMP | Theft - WME | Theft - EXP/IEDP | Sabotage/Contamination |   |
| Chloroacrin  | [o-Isopropyl<br>methylphosphonochloridate] | 1445-76-7                                  |                           |   | CUM 100g                  |   |                           |                                   |                      | X                    |                |             |                  |                        |   |
| Chlorosoman  | [o-Pinacetyl<br>methylphosphonochloridate] | 7040-57-5                                  |                           |   | CUM 100g                  |   |                           |                                   |                      | X                    |                |             |                  |                        |   |
| Chlorosulfonic acid  |  | 7790-94-5                                  |                           |   |                           |   | ACG APA                   |                                   |                      |                      |                | X           |                  | X                      |   |
| Chromium oxychloride   |  | 14977-61-8                                 |                           |   |                           |   |                           | ACG APA                           |                      |                      |                |             |                  | X                      |   |
| Crotonaldehyde   | [2-Butenal]                                | 4170-30-3                                  | 1.00                      | 10,000  |                           |   |                           |                                   |                      |                      |                |             |                  |                        |   |
| Crotonaldehyde, (E)-   | [2-Butenal, (E)-]                          | 123-73-9                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                      |                      |                |             |                  |                        |   |
| Cyanogen   | [Ethanedinitrile]                          | 460-19-5                                   | 1.00                      | 10,000  | 11.67                     | 45  |                           |                                   |                      |                      | X              |             | X                |                        |   |
| Cyanogen chloride  |  | 506-77-4                                   | 1.00                      | 10,000  | 2.67                      | 15  |                           |                                   | X                    |                      |                |             | X                |                        |   |
| Cyclohexylamine  | [Cyclohexanamine]                          | 108-91-8                                   | 1.00                      | 15,000  |                           |   |                           | ACG APA                           |                      |                      |                |             |                  |                        | X |
| Cyclohexyltrichlorosilane                                      |  | 98-12-4                                    |                           |   |                           |   |                           |                                   |                      |                      |                |             |                  |                        |   |
| Cyclopropene   |  | 75-19-4                                    | 1.00                      | 10,000  |                           |   |                           |                                   |                      |                      |                |             |                  |                        |   |
| DF   | Methyl phosphonyl difluoride               | 676-99-3                                   |                           |   |                           | CUM 100g  |                           |                                   |                      |                      | X              |             |                  |                        |   |
| Diazodinitrophenol   |  | 87-31-0                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                      |                      | X              |             |                  | X                      |   |
| Diborane   |  | 19287-46-7                                 | 1.00                      | 2,500   | 2.67                      | 15  |                           |                                   | X                    |                      |                |             | X                |                        |   |
| Dichlorosilane   | [Silane, dichloro-]                        | 4109-96-0                                  | 1.00                      | 10,000  | 10.47                     | 45  |                           |                                   |                      |                      | X              |             |                  |                        |   |
| N,N-(2-<br>diethylamino)ethanethiol                            |  | 100-38-9                                   |                           |   | 30.00                     | 2.2   |                           |                                   |                      |                      |                |             | X                |                        |   |
| Diethylchlorosilane  |  | 1719-53-5                                  |                           |   |                           |   |                           | ACG APA                           |                      |                      |                |             | X                |                        |   |
| o,o-Diethyl S-(2-<br>(diethylamino)ethyl)<br>phosphorothiolate |  | 78-53-5                                    |                           |   | 30.00                     | 2.2   |                           |                                   |                      |                      |                |             |                  |                        |   |
| Diethyleneglycol dinitrate                                     |  | 693-21-0                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                      |                      |                | X           |                  |                        |   |
| Diethyl methylphosphonite                                      |  | 15715-41-0                                 |                           |   | 30.00                     | 2.2   |                           |                                   |                      |                      |                | X           |                  |                        |   |
| N,N-Diethyl phosphoramidic<br>dichloride                       |  | 1498-54-0                                  |                           |   | 30.00                     | 2.2   |                           |                                   |                      |                      |                | X           |                  |                        |   |
| N,N-(2-<br>diisopropylamino)ethanethiol<br>aminoethane thiol   |  | 5842-07-9                                  |                           |   | 30.00                     | 2.2   |                           |                                   |                      |                      |                |             |                  | X                      |   |

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| Chemicals of Interest<br>(COI)               | Synonym                                  | Chemical<br>Abstract<br>Service<br>(CAS) # | Release                   |   | Theft                     |   | Sabotage | Security Issue            |                                   |                 |                      |                      |                |             |                 |                     |
|--|--|--|---------------------------|---|---------------------------|---|----------|---------------------------|-----------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|---------------------|
|  |  |  | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds unless<br>otherwise noted) |          | Minimum Concentration (%) | Screening Threshold<br>Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CMP | Theft - WME | Theft - EXP/NDP | Sabotage/Combustion |
| Difluoroethane                               | [Ethane, 1,1-difluoro-]                  | 75-37-6                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 | X                    |                      |                |             |                 |                     |
| N,N-Diisopropyl<br>phosphoramidic dichloride |  | 23308-80-1                                 |                           |   | 30.00                     | 2.2   |          |                           |                                   |                 |                      |                      |                |             |                 |                     |
| 1,1-Dimethylhydrazine                        | [Hydrazine, 1, 1-dimethyl-]              | 57-14-7                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 | X                    |                      |                |             |                 |                     |
| Dimethylamine                                | [Methanamine, N-methyl-]                 | 124-40-3                                   | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 | X                    |                      |                |             |                 |                     |
| N,N,N-(2-<br>dimethylamino)ethanethiol       |  | 108-02-1                                   |                           |   | 30.00                     | 2.2   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
| Dimethyldichlorosilane                       | [Silane, dichlorodimethyl-]              | 75-78-5                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   | ACG APA         |                      | X                    |                |             |                 | X                   |
| N,N,N-Dimethyl phosphoramidic<br>dichloride  | [Dimethylphosphoramido-<br>dichloridate] | 677-43-0                                   |                           |   | 30.00                     | 2.2   |          |                           |                                   |                 |                      |                      |                |             |                 |                     |
| 2,2-Dimethylpropane                          | [Propane, 2,2-dimethyl-]                 | 463-82-1                                   | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      | X                    |                |             |                 |                     |
| Cingu  | [Dinitroglucuril]                        | 55510-04-8                                 | ACG                       | 5,000   | ACG                       | 400   |          |                           |                                   |                 |                      | X                    |                |             | X               |                     |
| Dinitrogen tetroxide                         |  | 10544-72-8                                 |                           |   | 3.80                      | 15  |          |                           |                                   |                 |                      |                      |                | X           |                 |                     |
| Dinitrophenol                                |  | 25550-68-7                                 | ACG                       | 5,000   | ACG                       | 400   |          |                           |                                   |                 |                      | X                    |                | X           |                 |                     |
| Diphenyldichlorosilane                       |  | 519-44-8                                   | ACG                       | 5,000   | ACG                       | 400   |          |                           |                                   |                 |                      | X                    |                | X           |                 |                     |
| Dipicryl sulfide                             |  | 80-10-4                                    |                           |   |                           |   |          |                           |                                   | ACG APA         |                      |                      |                |             | X               |                     |
| Dipicrylamine [or] Hexyl                     |  | 2217-08-3                                  | ACG                       | 5,000   | ACG                       | 400   |          |                           |                                   |                 |                      | X                    |                | X           |                 |                     |
| N,N,N-(2-<br>dipropylamino)ethanethiol       | [Hexanitrodiphenylamine]                 | 131-73-7                                   | ACG                       | 5,000   | ACG                       | 400   |          |                           |                                   |                 |                      | X                    |                | X           |                 |                     |
| N,N,N-Dipropyl phosphoramidic<br>dichloride  |  | 5842-08-8                                  |                           |   | 30.00                     | 2.2   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
| Dodecyltrichlorosilane                       |  | 40881-98-9                                 |                           |   | 30.00                     | 2.2   |          |                           |                                   |                 |                      |                      |                | X           |                 |                     |
| Epichlorohydrin                              | [Oxirane, (chloromethyl)-]               | 4484-72-4                                  | 1.00                      | 20,000  |                           |   |          |                           |                                   | ACG APA         |                      | X                    |                |             |                 | X                   |
| Ethane                                       |  | 106-89-8                                   | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      |                |             |                 |                     |
| Ethyl acetate                                | [1-Butoxide]                             | 74-84-0                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
| Ethyl chloride                               | [Ethane, chloro-]                        | 107-00-6                                   | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
| Ethyl ether                                  | [Ethane, 1,1-oxybis-]                    | 75-00-3                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
| Ethyl mercaptan                              | [Ethane, 1,1-thio-                       | 60-29-7                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |
|  | [Ethane, 1,1-thio-                       | 75-08-1                                    | 1.00                      | 10,000  |                           |   |          |                           |                                   |                 |                      |                      | X              |             |                 |                     |

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Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>

| Appendix A to Part 21: -- and Chemicals of Interest  |                                     |                                   |                           |  |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
|--|-------------------------------------|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|---|
| Chemicals of Interest (COI)                          | Synonym                             | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue  |                      |                      |                |             |                 |                        |   |
|  |                                     |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CMP | Theft - WME | Theft - EXP/EDP | Sabotage/Contamination |   |
| Ethyl nitrate  | [Nitrous acid, ethyl ester]         | 109-95-5                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Ethyl phosphonyl difluoride                          |                                     | 753-98-0                          |                           |  | CUM 100g                  |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Ethylamine   | [Ethanimine]                        | 75-04-7                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Ethylmethanamine                                     |                                     | 139-87-7                          |                           |  | 80.00                     | 220   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Ethylene   | [Ethene]                            | 74-85-1                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Ethylene oxide                                       | [Oxirane]                           | 75-21-8                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Ethylenediamine                                      | [1,2-Ethanediamine]                 | 107-15-3                          | 1.00                      | 20,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Ethylenimine   | [Aziridine]                         | 151-56-4                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Ethylphosphonothioic dichloride                      |                                     | 683-43-1                          |                           |  | 30.00                     | 2.2   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Ethyltrichlorosilane                                 |                                     | 115-21-9                          |                           |  |                           |   |                           | ACG                            | APA             |                      |                      |                |             |                 |                        | X |
| Fluorine   |                                     | 7782-41-4                         | 1.00                      | 1,000                                      | 6.17                      | 15  |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Fluorosulfonic acid                                  |                                     | 7789-21-1                         |                           |  |                           |   |                           | ACG                            | APA             |                      |                      |                |             |                 |                        | X |
| Formaldehyde (solution)                              |                                     | 50-00-0                           | 1.00                      | 15,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Formaldehyde (solution)                              |                                     | 50-00-0                           | 1.00                      | 15,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Furan  |                                     | 110-00-9                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Germane  |                                     | 7782-45-2                         |                           |  | 20.73                     | 45  |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Germanium tetrafluoride                              |                                     | 7783-58-6                         |                           |  | 2.11                      | 15  |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Guanyl nitrosaminoquanylidene hydrazine              |                                     |                                   | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Hexaethyl tetraphosphate and compressed gas mixtures |                                     | 757-58-4                          |                           |  | 33.37                     | 500   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Hexafluoroacetone                                    |                                     | 684-16-2                          |                           |  | 15.67                     | 45  |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Hexanitrostilbene                                    |                                     | 20062-22-0                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Hexolite   | [Hexoto]                            | 121-82-4                          | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Hexyltrichlorosilane                                 |                                     | 928-65-4                          |                           |  |                           |   |                           | ACG                            | APA             |                      |                      |                |             |                 |                        |   |
| HMX  | [Cyclooctamethylene-tetranitramine] | 2691-41-0                         | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |

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Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest (COI)                       | Synonym                              | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue  |                      |                      |                |             |                        |  |
|---|--------------------------------------|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|------------------------|--|
|   |                                      |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CWP | Theft - WME | Sabotage/Contamination |  |
| HN1 (nitrogen mustard-1)                          | [Bis(2-chloroethyl)ethylamine]       | 538-07-8                          |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                        |  |
| HN2 (nitrogen mustard-2)                          | [Bis(2-chloroethyl)methylamine]      | 51-75-2                           |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                        |  |
| HN3 (nitrogen mustard-3)                          | [Tris(2-chloroethyl)amine]           | 555-77-1                          |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                        |  |
| Hydrazine   |                                      | 302-01-2                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Hydrochloric acid (conc. 37% or greater)          |                                      | 7647-01-0                         | 37.00                     | 15,000                                     |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Hydrocyanic acid                                  |                                      | 74-90-8                           | 1.00                      | 2,500                                      |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Hydrofluoric acid (conc. 50% or greater)          |                                      | 7664-39-3                         | 50.00                     | 1,000                                      |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Hydrogen  |                                      | 1333-74-0                         | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Hydrogen bromide (anhydrous)                      |                                      | 10035-10-6                        |                           |  |                           | 95.33   | 500                       |                                |                 |                      |                      |                |             |                        |  |
| Hydrogen chloride (anhydrous)                     |                                      | 7647-01-0                         | 1.00                      | 5,000                                      |                           | ACG   | 500                       |                                |                 |                      | X                    |                |             |                        |  |
| Hydrogen cyanide                                  | [Hydrocyanic acid]                   | 74-90-8                           |                           |  |                           |   | 15                        |                                |                 |                      |                      |                | X           |                        |  |
| Hydrogen fluoride (anhydrous)                     |                                      | 7664-39-3                         | 1.00                      | 1,000                                      |                           |   | 45                        |                                |                 |                      | X                    |                | X           |                        |  |
| Hydrogen iodide, anhydrous                        |                                      | 10034-86-2                        |                           |  |                           |   | 500                       |                                |                 |                      |                      |                | X           |                        |  |
| Hydrogen peroxide (concentration of at least 35%) |                                      | 7722-84-1                         |                           |  |                           |   | 400                       |                                |                 |                      |                      |                |             | X                      |  |
| Hydrogen selenide                                 |                                      | 7783-07-5                         | 1.00                      | 10,000                                     |                           |   | 15                        |                                |                 |                      |                      |                |             | X                      |  |
| Hydrogen sulfide                                  |                                      | 7783-06-4                         | 1.00                      | 10,000                                     |                           |   | 45                        |                                |                 |                      |                      |                | X           |                        |  |
| Iodine pentafluoride                              |                                      | 7783-96-6                         |                           |  |                           |   |                           |                                |                 |                      | X                    |                |             |                        |  |
| Iron, pentacarbonyl-                              | [Iron carbonyl (Fe (CO)5), (TBS-1*)] | 13463-40-6                        | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Isobutane   | [Propane, 2-methyl]                  | 75-28-5                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X                      |  |
| Isobutyronitrile                                  | [Propanenitrile, 2-methyl-]          | 78-82-0                           | 1.00                      | 20,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                        |  |
| Isopentane  | [Butane, 2-methyl-]                  | 78-78-4                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                | X           |                        |  |
| Isoprene  | [1,3-Butadiene, 2-methyl-]           | 78-79-5                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X                      |  |

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Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest (COI)         | Synonym                                      | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue  |                      |                      |                |             |                 |                        |
|-------------------------------------|--|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|
|                                     |  |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CWP | Theft - WME | Theft - EXP/EDP | Sabotage/Contamination |
| Isopropyl chloride                  | [Propane, 2-chloro-]                         | 75-29-6                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |
| Isopropyl chloroformate             | [Carbonochloridic acid, 1-methylethyl ester] | 108-23-6                          | 1.00                      | 15,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |
| Isopropylamine                      | [2-Propanamine]                              | 75-31-0                           | 1.00                      | 10,000                                     | 30.00                     | 2.2   |                           |                                |                 |                      | X                    |                |             |                 |                        |
| Isopropylphosphonothioic dichloride |  | 1498-60-8                         |                           |  |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |
| Isopropylphosphoryl difluoride      |  | 677-42-9                          |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                 |                        |
| Lead acids                          |  | 13424-46-9                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X               |                        |
| Lead styphnate                      | [Lead trinitroresorcinate]                   | 15245-44-0                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X               |                        |
| Lewisite 1                          | [2-Chlorovinylchloroarsine]                  | 541-26-3                          |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                 |                        |
| Lewisite 2                          | [Bis(2-chlorovinyl)chloroarsine]             | 40334-69-8                        |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                 |                        |
| Lewisite 3                          | [Tri(2-chlorovinyl)arsine]                   | 40334-70-1                        |                           |  |                           | CUM 100g  |                           |                                |                 |                      |                      | X              |             |                 |                        |
| Lithium amide                       |  | 7782-89-0                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             | X               |                        |
| Lithium nitride                     |  | 26134-62-3                        |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             | X               |                        |
| Magnesium (powder)                  |  | 7439-95-4                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             | X               |                        |
| Magnesium diamide                   |  | 7803-54-5                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             | X               |                        |
| Magnesium phosphide                 |  | 12057-74-8                        |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             | X               |                        |
| MDEA                                | [Methyldiethanamine]                         | 105-59-9                          |                           |  |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |
| Mercury fulminate                   |  | 628-86-4                          | ACG                       | 5,000                                      | 80.00                     | 220   |                           |                                |                 |                      | X                    |                |             |                 |                        |
| Methacrylonitrile                   |  | 126-98-7                          | 1.00                      | 10,000                                     | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             |                 |                        |
| Methane                             | [2-Propenenitrile, 2-methyl-]                | 74-82-8                           | 1.00                      | 10,000                                     |                           |   |                           |                                | X               |                      |                      |                |             |                 |                        |
| 2-Methyl-1-butene                   |  | 563-46-2                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |
| 3-Methyl-1-butene                   |  | 563-45-1                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |
| Methyl chloride                     | [Methane, chloro-]                           | 74-87-3                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X               |                        |
| Methyl chloroformate                | [Carbonochloridic acid, methyl ester]        | 79-22-1                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X               |                        |
| Methyl ether                        |  | 115-10-6                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X               |                        |
| Methyl formate                      | [Formic acid Methyl ester]                   | 107-31-3                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             | X               |                        |

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Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest<br>(COI)      | Synonym  | Chemical<br>Abstract<br>Service<br>(CAS) # | Release                   |   | Theft                     |   | Sabotage                  |                                   | Security Issue  |                      |                      |                |             |                 |                        |   |
|-------------------------------------|--|--|---------------------------|---|---------------------------|---|---------------------------|-----------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|---|
|                                     |  |  | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds unless<br>otherwise noted) | Minimum Concentration (%) | Screening Threshold<br>Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CWP | Theft - WME | Theft - EXP/EDP | Sabotage/Contamination |   |
| Methyl hydrazine                    | [Hydrazine, methyl-]                             | 60-34-4                                    | 1.00                      | 15,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Methyl isocyanate                   | [Methane, isocyanato-]                           | 624-83-9                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 | X                    |                      |                |             |                 |                        |   |
| Methyl mercaptan                    | [Methanethiol]                                   | 74-93-1                                    | 1.00                      | 10,000  | 45.00                     | 500   |                           |                                   |                 |                      | X                    |                |             |                 | X                      |   |
| Methyl thiocyanate                  | [Thiocyanic acid, methyl ester]                  | 556-84-9                                   | 1.00                      | 20,000  |                           |   |                           |                                   |                 |                      | X                    |                |             |                 |                        |   |
| Methylamine                         | [Methanamine]                                    | 74-89-5                                    | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      |                      | X              |             |                 | X                      |   |
| Methylchlorosilane                  |  | 993-00-0                                   |                           |   | 20.00                     | 45  |                           |                                   |                 |                      |                      |                |             |                 |                        | X |
| Methyldichlorosilane                |  | 75-54-7                                    |                           |   |                           |   |                           | ACG                               | APA             |                      |                      |                |             |                 |                        | X |
| Methyldichlorosilane                |  | 149-74-6                                   |                           |   |                           |   |                           | ACG                               | APA             |                      |                      |                |             |                 |                        | X |
| Methylphosphonothioic<br>dichloride |  | 676-86-2                                   |                           |   | 30.00                     | 2.2   |                           |                                   |                 |                      |                      |                | X           |                 |                        |   |
| 2-Methylpropene                     | [1-Propene, 2-methyl-]                           | 115-11-7                                   | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      |                      |                |             |                 |                        |   |
| Methyltrichlorosilane               | [Silane, trichloromethyl-]                       | 75-79-6                                    | 1.00                      | 10,000  |                           |   |                           | ACG                               | APA             |                      |                      |                | X           |                 |                        | X |
| Sulfur mustard (Mustard gas)        | [Bis(2-chloroethyl)sulfide]                      | 505-60-2                                   |                           |   |                           | CUM 100g  |                           |                                   |                 |                      |                      |                | X           |                 |                        |   |
| (H)                                 |  |  |                           |   |                           |   |                           |                                   |                 |                      |                      |                |             |                 |                        |   |
| O-Mustard (T)                       | [Bis(2-chloroethylthioethyl)ether]               | 63918-89-8                                 |                           |   |                           | CUM 100g  |                           |                                   |                 |                      |                      |                |             |                 |                        |   |
| Nickel Carbonyl                     |  | 13463-39-3                                 | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      |                      |                | X           |                 |                        |   |
| Nitric acid                         |  | 7697-37-2                                  | 80.00                     | 15,000  | 68.00                     | 400   |                           |                                   |                 | X                    |                      |                |             |                 | X                      |   |
| Nitric oxide                        | [Nitrogen oxide (NO)]                            | 10102-43-9                                 | 1.00                      | 10,000  | 3.83                      | 15  |                           |                                   |                 | X                    |                      |                |             | X               |                        |   |
| Nitrobenzene                        |  | 98-95-3                                    |                           |   | ACG                       | 100   |                           |                                   |                 |                      |                      |                |             | X               |                        |   |
| 5-Nitrobenzotriazole                |  | 2338-12-7                                  | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |                |             | X               |                        |   |
| Nitrocellulose                      |  | 9004-70-0                                  | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |                |             | X               |                        |   |
| Nitrogen mustard                    | [Bis(2-chloroethyl)methylamine<br>hydrochloride] | 55-86-7                                    |                           |   | 30.00                     | 2.2   |                           |                                   |                 |                      |                      | X              |             |                 |                        |   |
| Nitrogen trioxide                   |  | 10544-73-7                                 |                           |   | 3.83                      | 15  |                           |                                   |                 |                      |                      |                |             | X               |                        |   |
| Nitroglycerine                      |  | 55-63-0                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |                |             | X               |                        |   |
| Nitromannite                        | [Mannitol hexanitrate, wetted]                   | 15825-70-4                                 | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |                |             | X               |                        |   |
| Nitromethane                        |  | 75-52-5                                    |                           |   | ACG                       | 400   |                           |                                   |                 |                      |                      |                |             | X               |                        | X |
| Nitrostarch                         |  | 9056-38-6                                  | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      |                      | X              |             | X               |                        | X |
| Nitrosyl chloride                   |  | 2696-82-6                                  |                           |   | 1.17                      | 15  |                           |                                   |                 |                      |                      |                |             |                 | X                      |   |

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Appendix A to Part 27. — DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest (COI)  | Synonym   | Chemical Abstract Service (CAS) # | Release                   |  |                           | Theft   |                           | Sabotage                       |                 |                      | Security Issue       |                |             |                  |                        |
|------------------------------|---|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|------------------|------------------------|
|                              |   |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release – Toxic | Release – Flammables | Release – Explosives | Theft – CW/CWP | Theft – WME | Theft – EXP/IEDP | Sabotage/Contamination |
| Nitroisobutane               |   | 932-64-9                          | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X                |                        |
| Nonyltrichlorosilane         |   | 5283-87-0                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Octadecyltrichlorosilane     |   | 112-04-9                          |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Octolfig                     |   | 57607-37-1                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X                |                        |
| Octonol                      |   | 78413-87-3                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X                |                        |
| Octyltrichlorosilane         |   | 5283-86-9                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Oleum (Fuming Sulfuric acid) | (Sulfuric acid, mixture with sulfur trioxide)   | 8014-96-7                         | 1.00                      | 10,000                                     |                           |   |                           |                                | X               |                      |                      |                |             |                  |                        |
| Oxygen difluoride            |   | 7783-41-7                         |                           |  |                           |   |                           |                                |                 |                      |                      |                | X           |                  |                        |
| 1,3-Pentadiene               |   | 504-60-9                          | 1.00                      | 10,000                                     |                           | 0.09  | 15                        |                                |                 | X                    |                      |                |             |                  |                        |
| Pentane                      |   | 109-66-0                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                  |                        |
| 1-Pentene                    |   | 109-67-1                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                  |                        |
| 2-Pentene, (E)-              |   | 646-04-8                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                  |                        |
| 2-Pentene, (Z)-              |   | 627-20-3                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                  |                        |
| Pentolite                    |   | 8066-33-9                         | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 | X                    |                      |                |             | X                |                        |
| Peracetic acid               | (Ethaneperoxo acid)                             | 79-21-0                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                  |                        |
| Perchloromethylmercaptan     | (Methanesulfonyl chloride, trichloro-)          | 594-42-3                          | 1.00                      | 10,000                                     |                           |   |                           |                                | X               |                      |                      |                |             |                  |                        |
| Perchloryl fluoride          |   | 7616-94-6                         |                           |  |                           | 25.67   | 45                        |                                |                 |                      |                      |                | X           |                  |                        |
| PETN                         | (Pentaerythritol tetranitrate)                  | 78-11-5                           | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      | X                    |                |             | X                |                        |
| Phenyltrichlorosilane        |   | 98-13-5                           |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Phosgene                     | (Carbonic dichlorides) or (carbonyl dichloride) | 75-44-5                           | 1.00                      | 500  | 0.17                      | 15  |                           |                                | X               |                      |                      |                | X           |                  |                        |
| Phosphine                    |   | 7803-51-2                         | 1.00                      | 10,000                                     | 0.67                      | 15  |                           |                                |                 | X                    |                      |                |             |                  |                        |
| Phosphorus                   |   | 7723-14-0                         |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                  |                        |
| Phosphorus oxychloride       | (Phosphoryl chloride)                           | 10025-87-3                        | 1.00                      | 5,000                                      | 80.00                     | 220   |                           |                                | X               |                      |                      | X              |             |                  | X                      |
| Phosphorus pentabromide      |   | 7789-69-7                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Phosphorus pentachloride     |   | 10026-13-8                        |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |
| Phosphorus pentasulfide      |   | 1314-80-3                         |                           |  |                           |   |                           | ACG APA                        |                 |                      |                      |                |             |                  | X                      |

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Appendix A to Part 27. — DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest<br>(COI)   | Synonym   | Chemical Abstract Service<br>(CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue  |                      |                      |                |             |                 |                        |   |
|----------------------------------|---|--------------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|---|
|                                  |   |                                      | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Thief - CW/CMP | Thief - WME | Thief - EXP/EDP | Sabotage/Contamination |   |
| Phosphorus trichloride           |   | 7719-12-2                            | 1.00                      | 15,000                                     | 3.48                      | 45  | ACG                       | APA                            | X               |                      |                      |                | X           |                 | X                      |   |
| Picrite                          | [Nitroguanidine]                                      | 555-88-7                             | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 | X                    |                      |                |             |                 | X                      |   |
| Piperidine                       |   | 110-89-4                             | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Potassium chlorate               |   | 3811-04-9                            |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Potassium cyanide                |   | 151-50-8                             |                           |  |                           |   |                           | ACG                            | APA             |                      |                      |                |             |                 | X                      |   |
| Potassium nitrate                |   | 7757-79-1                            |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Potassium perchlorate            |   | 7776-74-7                            |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Potassium permanganate           |   | 7722-84-7                            |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Potassium phosphide              |   | 20770-41-6                           |                           |  |                           |   |                           | ACG                            | APA             |                      |                      |                |             |                 |                        | X |
| Propadiene                       | [1,2-Propadiene]                                      | 463-49-0                             | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Propane                          |   | 74-98-6                              | 1.00                      | 60,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Propionitrile                    | [Propanenitrile]                                      | 107-12-0                             | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Propyl chloroformate             | [Carbonylchloric acid, propylester]                   | 109-61-5                             | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Propylene                        | [1-Propene]   | 115-07-1                             | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Propylene oxide                  | [Oxirane, methyl-]                                    | 75-56-9                              | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Propyleneimine                   | [Aziridine, 2-methyl-]                                | 75-55-8                              | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      | X              |             |                 |                        |   |
| Propylphosphonothioic dichloride |   | 2524-01-8                            |                           |  |                           | 30.00   | 2.2                       |                                |                 |                      |                      |                | X           |                 |                        |   |
| Propylphosphonyl difluoride      |   | 690-14-2                             |                           |  |                           |   |                           |                                |                 |                      |                      |                | X           |                 |                        |   |
| Propyltrichlorosilane            |   | 141-57-1                             |                           |  |                           |   |                           |                                |                 |                      |                      |                | X           |                 |                        |   |
| Propyne                          | [1-Propyne]   | 74-99-7                              | 1.00                      | 10,000                                     |                           |   |                           | ACG                            | APA             | X                    |                      |                |             |                 |                        |   |
| QL                               | [o-Ethyl-o-2-diisopropylaminoethyl methylphosphonite] | 57856-11-8                           |                           |  |                           | CUM   | 100g                      |                                |                 |                      |                      |                | X           |                 |                        |   |
| RDX                              | [Cyclotrimethylenetrinitramine]                       | 121-82-4                             | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      |                      |                | X           |                 | X                      |   |
| RDX and HMX mixtures             |   | 121-82-4                             | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      |                      |                | X           |                 | X                      |   |
| Sern                             | [o-Isopropyl methylphosphonofluoridate]               | 107-44-8                             |                           |  |                           | CUM   | 100g                      |                                |                 |                      |                      |                | X           |                 |                        |   |
| Selenium hexafluoride            |   | 7783-79-1                            |                           |  |                           | 1.67  | 15                        |                                |                 |                      |                      |                |             |                 |                        | X |

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Appendix A to Part 27. -- DHS Chemicals of Interest<sup>1</sup>

| Chemicals of Interest (COI) | Synonym                                       | Chemical Abstract Service (CAS) # | Release                   |  | Theft                     |   | Sabotage                  |                                | Security Issue  |                      |                      |                |             |                 |                        |   |
|-----------------------------|---|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--------------------------------|-----------------|----------------------|----------------------|----------------|-------------|-----------------|------------------------|---|
|                             |   |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CMP | Theft - WME | Theft - EXP/EDP | Sabotage/Contamination |   |
| Sesquimustard               | [1,2-Bis(2-chloroethylthio)ethane]            | 3563-36-8                         |                           |  | CUM 100g                  |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Silane                      |   | 7803-62-5                         | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Silicon tetrachloride       |   | 10026-04-7                        |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 |                        | X |
| Silicon tetrafluoride       |   | 7783-61-1                         |                           |  | 15.00                     | 45  |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Sodium azide                |   | 26026-22-8                        |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Sodium chlorate             |   | 7775-09-9                         |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Sodium cyanide              |   | 143-33-9                          |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 | X                      |   |
| Sodium hydrosulfite         | [Sodium dithionite]                           | 7775-14-8                         |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 | X                      |   |
| Sodium nitrate              |   | 7531-99-4                         |                           |  | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Sodium phosphide            |   | 12058-85-4                        |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 | X                      |   |
| Soman                       | [O-Phnacetyl methylphosphono]fluoridate]      | 96-64-0                           |                           |  | CUM 100g                  |   |                           |                                |                 |                      | X                    |                |             |                 |                        |   |
| Silbina                     |   | 7803-52-3                         |                           |  | 0.67                      | 15  |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Strontium phosphide         |   | 12504-16-4                        |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 |                        | X |
| Sulfur dioxide (anhydrous)  |   | 7448-09-5                         | 1.00                      | 5,000                                      | 84.00                     | 500   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Sulfur tetrafluoride        | [Sulfur fluoride (SF <sub>6</sub> ), (T-4)]   | 7783-60-0                         | 1.00                      | 2,500                                      | 1.33                      | 15  |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Sulfur trioxide             |   | 7446-11-9                         | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Sulfuryl chloride           |   | 7791-25-5                         |                           |  |                           |   | ACG                       | APA                            |                 |                      |                      |                |             |                 |                        | X |
| Tabun                       | [O-Ethyl-N,N-dimethylphosphoramido-cyanidate] | 77-81-6                           |                           |  | CUM 100g                  |   |                           |                                |                 |                      |                      | X              |             |                 |                        |   |
| Tellurium hexafluoride      |   | 7783-90-4                         |                           |  | 0.83                      | 15  |                           |                                |                 |                      |                      |                |             |                 |                        |   |
| Tetrafluoromethylene        | [Ethane, tetrafluoro-]                        | 116-14-3                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      | X              |             |                 |                        |   |
| Tetramethyllead             | [Plumbane, tetramethyl-]                      | 75-74-1                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 | X                    |                      |                |             |                 |                        |   |
| Tetramethylsilane           | [Silane, tetramethyl-]                        | 75-76-3                           | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      | X              |             |                 |                        |   |
| Tetranitroaniline           |   | 53014-37-2                        | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      |                      |                |             |                 | X                      |   |
| Tetranitromethane           | [Methane, tetranitro-]                        | 509-14-8                          | 1.00                      | 10,000                                     |                           |   |                           |                                |                 |                      |                      | X              |             |                 |                        |   |
| Tetrazene                   | [Guanyl nitrosaminoquanyltetrazene]           | 109-27-3                          | ACG                       | 5,000                                      | ACG                       | 400   |                           |                                |                 |                      |                      |                | X           |                 | X                      |   |

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Appendix A to Part 27. — DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest<br>(COI) | Synonym                           | Chemical<br>Abstract<br>Service<br>(CAS) # | Release                   |   | Theft                     |   | Sabotage                  |                                   | Security Issue  |                      |                      |               |            |                 |   |
|--------------------------------|-----------------------------------|--|---------------------------|---|---------------------------|---|---------------------------|-----------------------------------|-----------------|----------------------|----------------------|---------------|------------|-----------------|---|
|                                |                                   |  | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold<br>Quantities (in pounds unless<br>otherwise noted) | Minimum Concentration (%) | Screening Threshold<br>Quantities | Release - Toxic | Release - Flammables | Release - Explosives | Ther - CW/CMP | Ther - WME | Ther - EXP/IEDP |   |
| 1H-Tetrazole                   |                                   | 285-94-8                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Thiodiglycol                   | [Bis(2-hydroxyethyl)sulfide]      | 111-48-8                                   |                           |   | 30.00                     | 2.2   |                           |                                   |                 |                      |                      |               |            | X               |   |
| Thionyl chloride               |                                   | 7719-09-7                                  |                           |   |                           |   | ACG                       | APA                               |                 |                      |                      |               |            |                 | X |
| Titanium tetrachloride         | [Titanium chloride (TiCl4) (T-4)] | 7650-45-0                                  | 1.00                      | 2,500   | 13.33                     | 45  | ACG                       | APA                               | X               |                      |                      |               |            | X               |   |
| TNT                            | [Trinitrotoluene]                 | 118-98-7                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Torpex                         | [Hexatonal]                       | 67713-16-0                                 | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trichlorosilane                | [Silane, trichloro-]              | 10025-78-2                                 | 1.00                      | 10,000  |                           |   | ACG                       | APA                               | X               |                      |                      |               |            | X               |   |
| Triethanolamine                |                                   | 102-71-3                                   |                           |   | 80.00                     | 220   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Triethanolamine hydrochloride  |                                   | 637-39-8                                   |                           |   | 80.00                     | 220   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Triethyl phosphite             |                                   | 122-52-1                                   |                           |   | 80.00                     | 220   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Trifluoroacetyl chloride       |                                   | 354-32-5                                   |                           |   | 6.93                      | 45  |                           |                                   |                 |                      |                      |               |            | X               |   |
| Trifluorochloroethylene        | [Ethene, chlorotrifluoro]         | 79-38-9                                    | 1.00                      | 10,000  | 66.67                     | 500   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trimethylamine                 | [Methanamine, N,N-dimethyl-]      | 75-50-3                                    | 1.00                      | 10,000  |                           |   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Trimethylchlorosilane          | [Silane, chlorotrimethyl-]        | 75-77-4                                    | 1.00                      | 10,000  |                           |   |                           | ACG                               | APA             | X                    |                      |               |            |                 | X |
| Trimethyl phosphite            |                                   | 121-45-9                                   |                           |   | 80.00                     | 220   |                           |                                   |                 |                      |                      |               |            |                 |   |
| Trinitroaniline                |                                   | 26862-42-1                                 | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            |                 |   |
| Trinitroanisole                |                                   | 608-35-9                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrobenzene                |                                   | 89-35-4                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrobenzenesulfonic acid   |                                   | 2508-19-2                                  | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrobenzoic acid           |                                   | 129-66-3                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrochlorobenzene          |                                   | 88-89-0                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrofluorenone             |                                   | 128-79-3                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitro-meta-cresol           |                                   | 602-99-3                                   | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitronaphthalene            |                                   | 55810-17-8                                 | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrophenol                 |                                   | 4732-14-3                                  | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitrophenol                 |                                   | 88-89-1                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Trinitroresorcinol             |                                   | 82-71-3                                    | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Tribenol                       |                                   | 54413-15-9                                 | ACG                       | 5,000   | ACG                       | 400   |                           |                                   |                 |                      | X                    |               |            | X               |   |
| Tungsten hexafluoride          |                                   | 7783-82-6                                  |                           |   | 7.10                      | 45  |                           |                                   |                 |                      |                      |               |            |                 | X |

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Appendix A to Part 27. -- DHS Chemicals of Interest <sup>1</sup>

| Chemicals of Interest (COI) | Synonym  | Chemical Abstract Service (CAS) # | Release                   |  |                           | Theft   |                           |  | Sabotage                  |  |                 | Security Issue       |                      |                |             |                  |                        |
|-----------------------------|--|-----------------------------------|---------------------------|--|---------------------------|---|---------------------------|--|---------------------------|--|-----------------|----------------------|----------------------|----------------|-------------|------------------|------------------------|
|                             |  |                                   | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds unless otherwise noted) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Minimum Concentration (%) | Screening Threshold Quantities (in pounds) | Release - Toxic | Release - Flammables | Release - Explosives | Theft - CW/CWP | Theft - WME | Theft - EXP/IEDP | Sabotage/Contamination |
| Vinyl acetate monomer       | [Acetic acid ethenyl ester]                                | 106-05-4                          | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyl acetylene             | [1-Buten-3-yne]  | 689-97-4                          | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyl chloride              | [Ethene, chloro-]  | 75-01-4                           | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyl ethyl ether           | [Ethene, ethoxy-]  | 109-92-2                          | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyl fluoride              | [Ethene, fluoro-]  | 75-02-5                           | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyl methyl ether          | [Ethene, methoxy-]   | 107-25-5                          | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinylidene chloride         | [Ethene, 1,1-dichloro-]                                    | 75-35-4                           | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinylidene fluoride         | [Ethene, 1,1-difluoro-]                                    | 75-38-7                           | 1.00                      | 10,000                                     |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| Vinyltrichlorosilane        |  | 75-94-5                           |                           |  |                           |   |                           |  |                           |  |                 |                      |                      |                |             |                  |                        |
| VX                          | [o-Ethyl-2-diisopropylaminoethyl methyl phosphonothiolate] | 50782-69-9                        |                           |  | CUM 100g                  |   |                           |  | ACG                       | APA  |                 |                      |                      | X              |             |                  | X                      |
| Zinc hydrosulfide           | [Zinc dithionite]  | 7779-86-4                         |                           |  |                           |   |                           |  | ACG                       | APA  |                 |                      |                      |                |             |                  | X                      |

<sup>1</sup> The acronyms used in this appendix have the following meaning: ACG = A Commercial Grade; APA = A Placarded Amount; CW/CWP = Chemical Weapons/Chemical Weapons Precursors; WME = Weapons of Mass Effect; EXP/IEDP = Explosives/Improvised Explosive Device Precursors

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