

# Department of Homeland Security Inventory

Chemical Owner (NetID) \_\_\_\_\_ Person Conducting Inventory (NetID) \_\_\_\_\_

Department \_\_\_\_\_ Building \_\_\_\_\_ Room \_\_\_\_\_

**Instructions:**

- Inventory each room separately
- Inventory ONLY the following: (a) chemical warfare agents (group 4 below) of any quantity which are still in their original manufacturer's containers; (b) all other chemicals on the list greater than 10mL or 10g which are still in their original manufacturer's containers; and (c) all chemicals on the list in quantities of 10 gallons or greater regardless of the container.
- Enter the total quantities into the EHS webpage at [www.ehs.cornell.edu/dhsinventory/default.cfm](http://www.ehs.cornell.edu/dhsinventory/default.cfm)

Chemical of Concern	CAS	Quantity	Units (in pounds, gallons, liters, grams, or cubic feet)
<b>Group 1 - gases</b>			
Acetylene	74-86-2		
Ammonia (anhydrous)	7664-41-7		
Arsine	7784-42-1		
Boron trichloride	10294-34-5		
Boron trifluoride	7637-07-2		
Carbonyl fluoride	353-50-4		
Chlorine	7782-50-5		
Chlorine dioxide	10049-04-4		
Chlorine pentafluoride	13637-63-3		
Chlorine trifluoride	7790-91-2		
Cyanogen	460-19-5		
Cyanogen chloride	506-77-4		
Diborane	19287-45-7		
Dichlorosilane	4109-96-0		
Dinitrogen tetroxide	10544-72-6		
Fluorine	7782-41-4		
Germane	7782-65-2		
Germanium tetrafluoride	7783-58-6		
Hexafluoroacetone	684-16-2		
Hydrogen	1333-74-0		
Hydrogen bromide (anhydrous)	10035-10-6		
Hydrogen chloride (anhydrous)	7647-01-0		
Hydrogen fluoride (anhydrous)	7664-39-3		
Hydrogen iodide, anhydrous	10034-85-2		
Hydrogen selenide	7783-07-5		
Hydrogen sulfide	7783-06-4		
Methyl mercaptan	74-93-1		
Methylchlorosilane	993-00-0		
Nitric oxide	10102-43-9		
Nitrosyl chloride	2696-92-6		

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Chemical of Concern	CAS	Quantity	Units
Oxygen difluoride	7783-41-7		
Perchloryl fluoride	7616-94-6		
Phosgene	75-44-5		
Phosphine	7803-51-2		
Selenium hexafluoride	7783-79-1		
Silane	7803-62-5		
Silicon tetrafluoride	7783-61-1		
Stibine	7803-52-3		
Sulfur dioxide (anhydrous)	7446-09-5		
Sulfur tetrafluoride	7783-60-0		
Tellurium hexafluoride	7783-80-4		
Trifluoroacetyl chloride	354-32-5		
Trifluorochloroethylene	79-38-9		
Tungsten hexafluoride	7783-82-6		
<b>Group 2 - liquids</b>			<b>(in pounds, gallons, liters, or grams)</b>
Ammonia (conc. 20% or greater)	7664-41-7		
Arsenic trichloride	7784-34-1		
Boron tribromide	10294-33-4		
Bromine chloride	13863-41-7		
Bromine trifluoride	7787-71-5		
Chloromethyl ether	542-88-1		
Ethyldiethanolamine	139-87-7		
Ethylphosphonothioic dichloride	993-43-1		
Formaldehyde (37% solution)	50-00-0		
Hexaethyl tetraphosphate and compressed gas mixtures	757-58-4		
Hydrochloric acid (conc. 37% or greater)	7647-01-0		
Hydrocyanic acid	74-90-8		
Hydrofluoric acid (conc. 50% or greater)	7664-39-3		
Hydrogen peroxide (concentration of at least 35%)	7722-84-1		
MDEA	105-59-9		
Methylphosphonothioic dichloride	676-98-2		
Nitric acid	7697-37-2		
Nitrogen trioxide	10544-73-7		
Nitromethane	75-52-5		
Perchloric acid	7601-90-3		
Phosphorus oxychloride	10025-87-3		
Phosphorus trichloride	7719-12-2		
Thiodiglycol	111-48-8		
Titanium tetrachloride	7550-45-0		
Triethanolamine	102-71-6		

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Chemical of Concern	CAS	Quantity	Units
Triethyl phosphite	122-52-1		
Trimethyl phosphite	121-45-9		
<b>Group 3 - solids</b>			<b>(in pounds, gallons, liters, or grams)</b>
Aluminum (powder)	7429-90-5		
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		
Ammonium nitrate, solid [nitrogen concentration of 23% nitrogen or greater]	6484-52-2		
Ammonium perchlorate	7790-98-9		
Isopropylphosphonothioic dichloride	1498-60-8		
Magnesium (powder)	7439-95-4		
Nitrobenzene	98-95-3		
Nitrocellulose	9004-70-0		
Nitrogen mustard hydrochloride	55-86-7		
Nitrostarch	9056-38-6		
Phosphorus	7723-14-0		
Potassium chlorate	3811-04-9		
Potassium nitrate	7757-79-1		
Potassium perchlorate	7778-74-7		
Potassium permanganate	7722-64-7		
Propylphosphonothioic dichloride	2524-01-8		
Sodium azide	26628-22-8		
Sodium chlorate	7775-09-9		
Sodium nitrate	7631-99-4		
Triethanolamine hydrochloride	637-39-8		
<b>Group 4 - chemical warfare agents</b>			<b>(in pounds, gallons, liters, or grams)</b>
Bis(2-chloroethylthio)methane	63869-13-6		
Bis(2-chloroethylthio)-n-butane, 1,4-	142868-93-7		
Bis(2-chloroethylthio)-n-pentane, 1,5-	142868-94-8		
Bis(2-chloroethylthio)-n-propane, 1,3-	63905-10-2		
Bis(2-chloroethylthiomethyl)ether	63918-90-1		
Chloroethylchloro-methylsulfide, 2-	2625-76-5		
Chlorosarin	1445-76-7		
Chlorosoman	7040-57-5		
DF	676-99-3		
Diethyl methylphosphonite	15715-41-0		
Ethyl phosphonyl difluoride	753-98-0		

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Chemical of Concern	CAS	Quantity	Units
HN1 (nitrogen mustard-1)	538-07-8		
HN2 (nitrogen mustard-2)	51-75-2		
HN3 (nitrogen mustard-3)	555-77-1		
Isopropylphosphonyl difluoride	677-42-9		
Lewisite 1	541-25-3		
Lewisite 2	40334-69-8		
Lewisite 3	40334-70-1		
N,N-(2-diethylamino)ethanethiol	100-38-9		
N,N-(2-diisopropylamino)ethanethiol	5842-07-9		
N,N-(2-dimethylamino)ethanethiol	108-02-1		
N,N-(2-dipropylamino)ethanethiol	5842-06-8		
N,N-Diethyl phosphoramidic dichloride	1498-54-0		
N,N-Diisopropyl phosphoramidic dichloride	23306-80-1		
N,N-Dimethyl phosphoramidic dichloride	677-43-0		
N,N-Dipropyl phosphoramidic dichloride	40881-98-9		
o,o-Diethyl S-[2-(diethylamino)ethyl] phosphorothiolate	78-53-5		
O-Mustard (T)	63918-89-8		
Propylphosphonyl difluoride	690-14-2		
QL	57856-11-8		
Sarin	107-44-8		
Sesquimustard	3563-36-8		
Soman	96-64-0		
Sulfur mustard (Mustard gas (H))	505-60-2		
Tabun	77-81-6		
VX	50782-69-9		
<b>Group 5 - explosives</b>			<b>(in pounds, gallons, liters, or grams)</b>
Ammonium picrate	131-74-8		
Barium azide	18810-58-7		
Diazodinitrophenol	87-31-0		
Diethyleneglycol dinitrate	693-21-0		
Dingu	55510-04-8		
Dinitrophenol	25550-58-7		
Dinitroresorcinol	519-44-8		
Dipicryl sulfide	2217-06-3		
Dipicrylamine [or] Hexyl	131-73-7		
Guanyl nitrosaminoguanilydene hydrazine	GNGH		
Hexanitrostilbene	20062-22-0		
Hexolite	121-82-4		
HMX	2691-41-0		
Lead azide	13424-46-9		

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Chemical of Concern	CAS	Quantity	Units
Lead styphnate	15245-44-0		
Mercury fulminate	628-86-4		
Nitrobenzotriazol, 5-	2338-12-7		
Nitroglycerine	55-63-0		
Nitromannite	15825-70-4		
Nitrotriazolone	932-64-9		
Octolite	57607-37-1		
Octonal	78413-87-3		
Pentolite	8066-33-9		
PETN	78-11-5		
Picrite	556-88-7		
Tetranitroaniline	53014-37-2		
Tetrazene	109-27-3		
Tetrazole	288-94-8		
TNT	118-96-7		
Torpex	67713-16-0		
Trinitroaniline	26952-42-1		
Trinitroanisole	606-35-9		
Trinitrobenzene	99-35-4		
Trinitrobenzenesulfonic acid	2508-19-2		
Trinitrobenzoic acid	129-66-8		
Trinitrochlorobenzene	88-88-0		
Trinitrofluorenone	129-79-3		
Trinitro-meta-cresol	602-99-3		
Trinitronaphthalene	55810-17-8		
Trinitrophenetole	4732-14-3		
Trinitrophenol	88-89-1		
Trinitroresorcinol	82-71-3		
Tritonal	54413-15-9		