The following criteria shall be taken into account in considering whether a toxic chemical or precursor should be included in Schedule 1:

a. It has been developed, produced, stockpiled or used as a chemical weapon as defined in Article II;
b. It poses otherwise a high risk to the object and purpose of this Convention by virtue of its high potential for use in activities prohibited under this Convention because one or more of the following conditions are met:
   i. It possesses a chemical structure closely related to that of other toxic chemicals listed in Schedule 1, and has, or can be expected to have, comparable properties;
   ii. It possesses such lethal or incapacitating toxicity as well as other properties that would enable it to be used as a chemical weapon;
   iii. It may be used as a precursor in the final single technological stage of production of a toxic chemical listed in Schedule 1, regardless of whether this stage takes place in facilities, in munitions or elsewhere;

c. It has little or no use for purposes not prohibited under this Convention.

**1A(1)**: O-Alkyl (<C10, incl. cycloalkyl) alkyl(Me, Et, n-Pr or i-Pr) phosphonofluoridates

**1A(2)**: O-Alkyl (<C10, incl. cycloalkyl) N,N-dialkyl (Me, Et, n-Pr or i-Pr) phosphoramidocyanidates

**1A(3)**: O-Alkyl (H or <C10, incl. cycloalkyl) S 2 dialkyl (Me, Et, n-Pr or i-Pr) phosphonothiolates and corresponding alkylated or protonated salts

**1A(4)**: Sulfur mustards

- 2-Chloroethylchloromethylsulfide
- Mustard gas: Bis(2-chloroethyl)sulfide
- Bis(2-chloroethylthio)methane
- Sesquimustard: 1,2-Bis(2-chloroethylthio)ethane
- 1,3-Bis(2-chloroethylthio)-n-propane
- 1,4-Bis(2-chloroethylthio)-n-butane
- 1,5-Bis(2-chloroethylthio)-n-pentane
- Bis(2-chloroethylthio)methyl ether
- O-Mustard: Bis(2-chloroethylthio)ethane

**1A(5)**: Lewisites

- Lewisite 1: 2-Chlorovinyl dichloroarsine
- Lewisite 2: Bis(2-chlorovinyl) arsine
- Lewisite 3: Tris(2-chlorovinyl) arsonie

**1A(6)**: Nitrogen mustards

- HN1: Bis(2-chloroethyl) ethylamine
- HN2: Bis(2-chloroethyl)methylamine
- HN3: Tris(2-chloroethyl) amine

**1A(7)**: Saxitoxin

**1A(8)**: Ricin

**1A(9)**: Alkyl (Me, Et, n-Pr or i-Pr) phosphonyldifluorides

**1B(10)**: O-Alkyl (H or <C10, incl. cycloalkyl) O-2 dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl alkyl (Me, Et, n-Pr or i-Pr) phosphonites and corresponding alkylated or protonated salts

**1B(11)**: Chlorosarin

- O-Isopropyl methylphosphonochloridate

**1B(12)**: Chlorosman

- O-Pinacolyl methylphosphonochloridate

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**Guidelines for Schedule 1**

**Instructions**

“Test your schedule knowledge”
Place the molecule on the correct schedule

- Single bond: 3.5 cm
- Double bond: 3 cm
- Triple bond: 2.5 cm
- Bond to H: 2 cm

For molecular models:
- C: ●
- H: ○
- S: ◯
- N: ○
- O: ○
- P: ●
- As: ○

* in Augment app:
- C: ●
- P: ○
- As: ○

You can check the answers by scanning QR codes with the Augment app. Download here: 

opcw.org

opcwonline.org

opcw.com

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**Schedule 1 Chemicals**

**A. Toxic chemicals:**

- Schedule 1 - OPCW/COMPANY

**B. Precursors:**

- Lewisite 2: Bis(2 chlorovinyl)chloroarsine
- Lewisite 1: 2 Chlorovinyldichloroarsine
- Lewisite 3: Bis(2-chlorovinyl)arsine
- Lewisite 4: Tris(2-chlorovinyl)arsine

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- O-Isopropyl methylphosphonochloridate

**1B(12)**: Chlorosman

- O-Pinacolyl methylphosphonochloridate

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**1A(11)**: Ricin

(Scan the image)