Many developing countries have what it takes to make poison gas.

The diplomats tried again in 1925, with the Geneva Protocol banning the use of chemical weapons in war, although not the manufacture and stockpiling of them. But the United States would not ratify the treaty until 1975, and Weimar Germany and the Soviet Union signed but secretly developed chemical weapons anyway. And even though Italy had ratified the Geneva Protocol, Mussolini used mustard agent during the 1935-36 conquest of Ethiopia.

Nazi Germany pioneered a new generation of odorless and quick-killing nerve agents like sarin, designed to overcome Allied protective gear. In a report for Hermann Göring, the head of I.G. Farben's board of directors boasted that chemical weapons were "the weapon of superior intelligence." But Hitler, while mass-murdering defenseless Jews with Zyklon B, was more cautious on the battlefield: fearing Allied retaliation against German cities, he planned to use chemical weapons in World War II only if the Allies did first.

During the cold war, the United States and the Soviet Union raced to improve their arsenals of nerve agents, and America used Agent Orange and tear gas in Vietnam. By the 1980's, the technology spread into the developing world.

During its 1962-67 war in Yemen, Egypt (another cheating Geneva member) used chemical bombs on villages. Although Iraq was also a party to Geneva, Saddam Hussein authorized chemical warfare against Iranian troops in the 1980's (using weapons made with help from West German, Dutch, Swiss, American and French companies) and gassed his own Kurdish population in the 1988 Anfal extermination campaign. In 1986, in a 90-minute meeting with Hussein in Baghdad to discuss improving ties with Iraq, Donald Rumsfeld, as Reagan's special envoy, never mentioned Iraq's chemical strikes.

The current stage of chemical proliferation, Tucker warns, involves terrorist groups, like the Aum Shinrikyo cultists who killed 19 people with sarin in two incidents in Japan in 1994 and 1995. Two years before the 9/11 attacks, Osama bin Laden said that he had the right to seek nuclear, biological and chemical weapons.

Tucker wants to strengthen the effectiveness of international norms. He optimistically notes that the overwhelming majority of countries have joined the Chemical Weapons Convention, isolating and stigmatizing nonsignatories like North Korea and Syria, and helping to keep precursor chemicals beyond their grasp. But he warns that "determined cheaters may not be deterred without a credible threat of economic or military sanctions." America and Russia are both taking too long to destroy their huge stockpiles, as well as insisting on the right to use incapacitating chemicals to foil terrorists — as Russian security forces disastrously tried to do during the 2002 Chechen terrorist siege of a Moscow theater, where Russian gas accidentally killed 127 hostages.

Tucker's book makes a sobering case for a less poisonous world, but governments do not seem to be getting much wiser.