

Table 1 Bands of Chemical Agents to be Risk Assessed collectively (based on [EPA \(US\) categorisation for schools](#)) – Pictograms and H-statements.









Hazard Class	Pictogram	Typical Hazard Statement
Flammables/ Explosives		H223, H224, H226 (Flamm. Liquids) H204, H205 (Explosives)
Corrosives Irritants		H314 (Skin) , H318 (Eye) H315 (Skin), H319 (Eye)
Oxidisers/ Reactives		H270, H271, H272
Toxics		H300, H310, H330, H301, H311, H331
Compressed gases		H280, H281
CMRs		H340, H341, H350, H351, H360
Respiratory Sensitizer		H334, H304
Skin Sensitizer		H317

Table 2 Bands of Chemical Agents to be Risk Assessed collectively (based on [EPA \(US\) categorisation for schools](#)) –definitions and examples.

Flammables/Explosives	Chemicals that have the potential to catch fire rapidly and burn in air	Many laboratory solvents such as ethanol, methanol, acetone.
Corrosives Irritants	Chemicals that can burn, irritate or destroy living tissue or corrode metal through direct chemical action	Inorganic acids, hydroxides (solid and solution), hydrogen peroxide, acetic acid
Oxidisers Reactives	Chemicals that react violently when combined with heat, light, water or atmospheric oxygen causing explosions or violent chemical reactions.	Nitrates, chlorates, perchlorates, nitrites, peroxides, water reactive metals
Toxics	Any substances that, even in small amounts, can injure living tissue when ingested, inhaled or absorbed onto the skin.	Cadmium, mercury, lead salts, chlorine.
Compressed gases	Gases under high pressure such that cracks or damage to tanks and valves used to control the gases could cause significant physical harm to those in the same room.	Nitrogen, oxygen, argon, helium
CMRs	Carcinogens, mutagens, reproductive toxicants	Benzene, asbestos, chloroform, lead, vinyl chloride
Respiratory sensitizer	A respiratory sensitizer is a substance with the potential to act, through whatever mechanism, to create a situation of airway hypersensitivity.	Acid Anhydride, various acrylates, amines (in general) biocides, styrene, nickel
Skin Sensitizer	A skin sensitizer is "a substance that will induce an allergic response following skin contact".	Epoxy resins, nickel, surfactants, detergents
Specials	Very hazardous substances that require individual assessments	Cyanides, Picric Acid, Hydrofluoric acid (HF), Aqua Regia