












Supplementary Table - hazardous potential of required chemicals

Substance	Classification	Hazard Statements	GHS pictogram
<b>2,2,2-tri-fluoroethyl-amine(TFEA)</b>	Danger	H225 Highly flammable liquid and vapor H302 Harmful if swallowed H314 Causes severe skin burns and eye damage	
<b>Ammonium chloride</b>	Warning	H302 Harmful if swallowed H319 Causes serious eye irritation	
<b>Ammonium hydroxide</b>	Danger	H302 Harmful if swallowed H314 Causes severe skin burns and eye damage H335 May cause respiratory irritation H400 Very toxic to aquatic life	
<b>DTT</b>	Warning	H302 Harmful if swallowed H412 Harmful to aquatic life with long lasting effects	
<b>EDTA</b>	Warning	H319 Causes serious eye irritation	
<b>Hydrochloric acid</b>	Danger	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage H335 May cause respiratory irritation	
<b>Iodo-acetamide</b>	Danger	H301 Toxic if swallowed H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H335 May cause respiratory irritation	
<b>Osmium tetroxide</b>	Danger	H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled H314 Causes severe skin burns and eye damage H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	
<b>Sodium hydroxide</b>	Danger	H290 May be corrosive to metals H314 Causes severe skin burns and eye damage	
<b>Sodium periodate</b>	Danger	H271 May cause fire or explosion; strong oxidizer H314 Causes severe skin burns and eye damage H372 Causes damage to organs (thymus gland) through prolonged or repeated exposure H400 Very toxic to aquatic life	
<b>Sodium phosphate</b>	Warning	H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation	

Information on GHS classification obtained from Safety Data Sheets from Sigma-Aldrich.