**Lachrymators**

A **lachrymator** is an irritant that causes tearing (watering of the eyes) and frequently a burning sensation. Common real-life examples include onions (*syn*-propanethiol-*S*-oxide), tear gas and pepper spray (capsaicin).

**Benzyllic Bromides**

****Benzyl bromide

4-Bromobenzyl bromide

Xylyl bromides

Halomethyl thiophenes



**Thioacyl Groups**

Thionyl chloride

Thiophosgene

**Acyl Halides**

Sebacoyl chloride

Adipoyl chloride

Chloroacetyl chloride

Benzoyl fluoride

2-Bromopropionyl chloride



**α-Halo Ketones/esters**

Halo acetones

Phenacyl halides

Halo acetophenones

α-Halo esters

**Vinyl Carbonyl Compounds**

Acrolein (2-Propenal)

Methyl vinyl ketones

Acryloyl nitrate

Vinyl chloroacetate

3-Nitroacrylates

**Other**

2-Nitropropene

Triphosgene

Dimethyl acetylenedicarboxylate

Dibromohydrin

Fumaronitrile

Maleimide

Chloropicrin

Cyanuric chloride