

**Identification and quantification of preservative chemicals in common household products**

## COSHH ASSESSMENT

<b>Chemicals- Hazardous in quantities used in experiment</b>	
<i>p</i> -Hydroxybenzoic acid methyl ester 54750	<b>IRRITATING</b> to eyes, respiratory system and skin
<i>p</i> -Hydroxybenzoic acid ethyl ester 54660	<b>IRRITATING</b> to eyes, respiratory system and skin
<i>p</i> -Hydroxybenzoic acid propyl ester 54790	<b>IRRITATING</b> to eyes, respiratory system and skin
<i>p</i> -Hydroxybenzoic acid butyl ester 54680	Not hazardous according to Directive 67/548/EEC.
Ethyl 3-hydroxybenzoate 54650	<b>HARMFUL</b> if swallowed. <b>IRRITATING</b> to respiratory system and skin.
Acetonitrile	<b>HIGHLY FLAMMABLE</b> . Harmful by inhalation, in contact with skin and if swallowed. <b>IRRITATING</b> to eyes.
Acetic acid	<b>FLAMMABLE</b> . Causes severe burns.
silica gel	Not hazardous according to Directive 67/548/EEC.
<b>First aid for above chemicals</b>	
Eyes	Irrigate thoroughly with water for at least 10 minutes. <b>OBTAIN MEDICAL ATTENTION.</b>
Lungs	Remove from exposure, rest and keep warm. In severe cases <b>OBTAIN MEDICAL ATTENTION.</b>
Skin	Wash off thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases <b>OBTAIN MEDICAL ATTENTION.</b>
Mouth	Wash out mouth thoroughly with water and give plenty of water to drink. <b>OBTAIN MEDICAL ATTENTION.</b>

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