

Identification and quantification of preservative chemicals in common household products

COSHH ASSESSMENT

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

Identification and quantification of preservative chemicals in common household products

Author	Simon Belt, Guillaume Massé
Title	Parabens in household products
Classification	Laboratory Manuals - Chemistry
Keywords	ukoer, parabens, chemistry, analytical, HPLC
Description	Individual lab sheets - Student
Creative Commons Licence (url)	http://creativecommons.org/licenses/by-nc-sa/2.0/uk/
Language	English
File size	30 kB
File format	pdf