

























Inhalation: How do we reduce exposure?

- Hoods used for reactions and transfer of liquids.
- Face masks particulate and vapor types
- SCBA primarily for use by emergency personnel. Training and practices in Z 88.2-1982.







































Effect	60 Hertz AC Current, mA	
	Men	Women
Slight sensation on hand	0.4	0.3
Perception threshold, median	1.1	0.7
Shock-not painful, muscular control not lost	1.8	1.2
Painful shock-muscular control lost by 0.5%	9	6
Painful shock- let-go threshold, median	16	10.5
Painful and severe shock-breathing difficult, muscular control lost by 99.5%	23	15
Possible ventricular fibrillation		
Three second shocks	675	675
Short shocks(T in seconds)	166/¦T	116/¦T

Note that a normal household or lab circuit is 15-20A (20,000 mA !)



Laboratory Safety Instruction Remember: - Take responsibility for your own safety. Read Section I, II and III of "Safety in Academic Chemistry Laboratories". (http://membership.acs.org/c/ccs/pub_3. htm_) Click "view online".