



Mallory Tungsten Based Materials & Health & Safety

The only Health & Safety problems associated with these products arise during machining.

If the machining operation is carried out in dry conditions (without lubricant) metal dust particles are likely to be generated. There could, therefore, be a potential hazard from respirable dust and nuisance particulates. Inhalation of metal dust must be avoided and one must prevent such dust particles from reaching the eyes, nose or throat of any person.

The occupational exposure limits for the metals contained within the Mallory products are as follows:

	Long-term Exposure limit (8 hour TWA value)	Short-term Exposure limit (10 min TWA value)
	mg m-3	mg m-3
Copper: Dust & Mists	1	2
Iron Oxide: fume (as Fe)	5	10
Molybdenum compounds (insol)	5	10
Nickel compounds (insol)	1	3
Silver	0.1	-
Tungsten compounds (insol)	5	10

We would recommend local exhaust ventilation if dust levels approach half these OELs.

Normal workshop safety practice and conventional equipment are usually adequate to prevent hazard from metal dust particles. When necessary, machines should be provided with cowls over the work area with efficient dust extraction. Operators may wish to take the additional precaution of wearing dust masks and protective goggles.

It is essential that personnel handling our products, and their supervisors have all the relevant safety information. We rely on you to fulfill your obligations under the Health & Safety at Work Act by passing on our safety information to the right people in your organisation.