

Induction Lamps are Liquid Mercury Free

The use of AMALGAM in manufacturing in the full series of induction lamps, makes all products FREE from liquid mercury. By adopting this liquid mercury free policy, we are able to minimize the environmental impact at different stages of the product life cycle. This would protect the workers during production and transportation, but also the end-users upon usage and disposal from exposure to liquid mercury.

What is Amalgam

Amalgam is an alloy of mercury combined with other metals. It stays in a stable solid form under room temperature. It is eco-friendly and a safer alternative to liquid mercury because mercury vapor would not be released until it reaches around 100°C under air pressure.

Why Amalgam is more eco-friendly

At room temperature, the mercury inside the Amalgam is concealed in the metal alloy and would not cause leakage even if the lamp breaks. Amalgam will not pose a health hazard to humans and pollute the environment. The use of Amalgam also makes the lamp easier and safer to handle on disposal. Furthermore, it would not lead to land and water contamination even if the lamps were not properly recycled.

About Mercury

Technological advancements have enabled modern Induction lamps to deliver excellent lighting performance along with Amalgam at minimal mercury levels (less than 5mg). In the solid form, the mercury inside Amalgam can be collected, recycled and reused more efficiently. Since Amalgam will not release mercury vapor when it is exposed under room temperature, therefore there would not be any harmful hazards to humans as well as the environment.

Mercury is considered to be a natural toxic chemical element that poses health hazards to human beings and damages the environment. Liquid mercury poses potential danger in cases of lamp breakage, in comparison to Amalgam. Liquid Mercury Free manufacturing is popular for manufacturing induction lamps. This process is used by socially and environmentally responsible manufacturers.

