

This newsletter appears several times a year, informing industry costumers with interesting news and innovations from Menzerna.

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Contact

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Hot stuff

Menzerna investigates the “phenomenon” of the spontaneous combustion of polishing wastes

Metal processing operations are familiar with the risk that polishing wastes may spontaneously combust. The development of heat in mixed waste consisting of polishing agents, polishing wheel abrasion debris and metal particles is a recurring issue. Dangerous hot spots can cause waste containers to catch fire. This is a hazard for production buildings and people!

A spark can ignite, accelerated by the large surface area associated with the higher reactivity of metal particles in polishing waste. By now, precise technical conditions have been defined for aluminium swarf (abrasive dust) extraction systems in order to prevent heat development. There are no comparable rules for polishing wastes to date.

This inflammable issue is reason enough for Menzerna to get to the bottom of things. The polishing specialist from Ötigheim has been developing, producing and delivering industrial polishing materials of the highest quality for 126 years. Always focusing on the respective customer requirements. Next to products, a Menzerna team is also deeply involved with the specific customer polishing processes. A precise understanding of the processes guarantees the development of integrated, sophisticated and above all safe polishing solutions.

Red hot for the issue of spontaneous combustion: in-house application technology. Deciphering and understanding the mechanisms that cause the temperature in mixed waste to increase – which are not precisely known at this time – is the objective. Our success so far: A reproducible simulation of the spontaneous combustion of polishing wastes using our in-house robot system. Positive test results show that new, highly effective flame retardants prevent spontaneous combustion.

*Perfection in Polishing.
Made in Germany.
Since 1888.*

Menzerna develops and produces polishes for industry and trades, automobile clear coats and gel coat surfaces of premium quality.

Rudi Messmer heads the innovation team. He is very confident that “mixed polishing wastes containing the latest generation of flame retardant polishing agents will be immune against the risk of spontaneous combustion in the near future.”

Menzerna will gladly keep you up to date about the research project.