Do you need a reliable biocide for your H1 lubricants? Do you want a method of combating mycobacteria in your metalworking fluids? Do you need an effective corrosion inhibitor for your fluids or yellow metals?

If you answered yes to any of the above, we have the solution for you …

New Option for Lubricant Customers

LANXESS Corp. is very excited to announce new approvals for our flagship lubricant and metalworking fluid biocide, PREVENTOL® CMK Preservative. PREVENTOL® CMK Preservative has earned FDA, EPA and NSF approvals for use as an antimicrobial in lubricants that may have incidental contact with food (H1 lubricants). This product is now acceptable as an ingredient for use in lubricants that could have incidental food contact when used in and around food processing equipment. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations where there is a potential exposure of the lubricated part to food.

Advantages of our Biocide for Lubricant and Metalworking Fluid Applications

The active ingredient in our effective biocide, PREVENTOL® CMK Preservative, is p-Chloro-m-cresol (PCMC), a broad spectrum bactericide and fungicide with unique antimicrobial properties. PCMC is tailor-made for lubricants and metalworking fluids as it is very active against bacteria (including Pseudomonas spp.), mycobacteria and fungi. Combined with its extraordinary pH and thermal stability it becomes one of the most efficient and most economical biocides for the lubricant and metalworking fluid applications. For the metalworking fluid application, we also offer 40% and 30% PCMC products for tank side use, and other biocides based on o-Phenylphenol (OPP), Iodopropynylbutylcarbamate (IPBC), Benzisothiazolinone (BIT), and Bronopol.

Corrosion Inhibitors

LANXESS Corp. also offers PREVENTOL® BZT, PREVENTOL® CI7-100, and PREVENTOL® CI7-50 corrosion inhibitors that can be used in aqueous and non-aqueous metalworking fluids. Copper and copper alloys coming into contact with the metalworking fluid are protected against corrosion. A thin, non-greasy, colorless protective film is formed on the surface of the metal. Copper ions are passivated. This counters the galvanic effect of copper ions in accelerating the corrosion of base metals. Catalytic degradation of the metalworking fluid by copper ions is also prevented. The PREVENTOL® corrosion inhibitors offer the following advantages: thermal stability, resistance to atmospheric oxidation, non-irritation of the skin, and low toxicity.

Summary

LANXESS Corp. is constantly trying to improve and expand its product portfolio, and be a solutions provider for the marketplace. We are very happy to offer H1 lubricant customers a new option for their biocide needs. We want to continue to meet the needs of the metalworking fluids industry with our effective biocides and corrosion inhibitors.

1. Food and Drug Administration (FDA). http://www.cfsan.fda.gov/~dms/opac-fcn.html and then scroll down to entry 560 (p-chloro-m-cresol).
2. Environmental Protection Agency (EPA).
3. National Science Foundation (NSF); Category Code: HX-1; NSF Registration No. 138991.