



Advanced Lubricants Technology

PRODUCT INFORMATION

PERENNIAL SYNKOOL-P88F (ADVANCED BIOSTABLE CHLORINE- FREE HIGH PERFORMANCE, UNIVERSAL SYNTHETIC BLENDED CUTTING FLUID)

DESCRIPTION

PERENNIAL SYNKOOL-P88F is a universal, high performance with cleaning ability, biostable, micro-emulsion metalworking coolant with excellent lubrication properties without chlorine. **This product has been formulated especially for the aerospace industries as well as the automotive parts manufacturers.**

If tramp oils and other food source contaminants are removed regularly, the product should last indefinitely.

PERENNIAL SYNKOOL-P88F is based on new technology resulting in biostability, low foaming, low to no odor, highly enhanced lubricity, emulsion stability, clean running and tramp oil rejection.

The biggest problem with coolants is bacterial attack and subsequent foul odors. We, as PERENNIAL, believe that the biostability technology route is the smartest way; the so called biocide or total kill systems develop resistant bacteria strains requiring new biocides to kill again.

APPLICATIONS

PERENNIAL SYNKOOL-P88F is safe on all metals and works extremely well on both soft and hard aluminium leaving a shiny finish. It is also used on difficult operations and metals such as Nickel, Inconel, Hastelloy, stainless steel, etc.

TECHNICAL DATA

Type	: Synthetic Blended with oil content > 40 %
Appearance	: Blue liquid
Solution	: Opaque, Blue liquid
Odor	: Bland / mild
Density, g/ml	: 0.98
pH of 5% dilution	: 9.2
Nitrites, Phenols, Chlorine, Sulfur	: None

CUSTOMER BENEFITS

Health & Safety- This product has been designed with the operator in mind.

- It resists the formation of mycotoxins, mycobacterium and other undesirable microorganisms. Mycobacterium has been related to hypersensitivity pneumonitis.

High Performance –

- Universal – only need one coolant
- Finish – High finish and extended tool life
- Multi metal – Will machine the hardest and softest aluminium
- Low foaming / Does not stain aerospace aluminium
- Biostable – Formulated with high quality additives attaining natural stability, and long sump-life, thus saving you money.

Eco-systems –

- Recyclable – Designed to reject tramp oils thus extending fluid life and making it easy to recycle, therefore resulting in drastically reduced disposal costs
- No chlorinated additives – environmental friendly
- No carcinogens, no phenols nor formaldehyde releasers, no nitrites

HANDLING & STORAGE

No health or safety hazards exist when **PERENNIAL SYNKOOL P88F** is stored, used and disposed of in accordance with instructions given on the Material Safety Data Sheet for this product.

COOLANT MAINTENANCE

To obtain maximum cutting performance, freedom from corrosion and control of bacteria, it is essential that tramp oil does not completely cover the surface of the coolant and that the concentration of coolant be maintained at the correct level. This may simply be determined on day to day basis by use of hand-held refractometer on the plant.