



CIMTECH[®] 600-HFP



DESCRIPTION

CIMTECH 600-HFP is an innovative new non-oil containing metalworking fluid featuring a hybrid blend of patented and synthetic lubricants. This unique blend of lubricants provides synergistic performance on difficult-to-machine-ferrous and non-ferrous alloys without corrosion or stain. It even outperforms sulfo-chlorinated metalworking fluids, but does not contain any EP lubricants.

APPLICATION

CIMTECH 600-HFP is uniquely formulated to be used on hard metals that “ordinary” fluids have difficulties with, such as Inconel, titanium, stainless steels, aerospace alloys and hardened steels. CIMTECH 600-HFP is an exceptional product for grinding, milling, drilling, and cut tapping these materials, as well as for operations on aerospace and most aluminum alloys. Not for use on magnesium.

FEATURES & BENEFITS

- Excellent medium to heavy-duty performance without chlorine, sulfur or phosphorus
- Near neutral pH
- Works best in tough operations that generate higher heat conditions at the point of cut
- Excellent foam control even at high pressure

Application Example #1: High stock removal milling of 6Al4V Titanium – 25% increase in tool life, at a lower mix concentration, compared to both a high-oil containing semi synthetic coolant .

Application Example #2: Turning and milling 13-8 steel, 45 Rockwell – 20% increase in tool life compared to a heavy-duty semi-synthetic coolant.

RECOMMENDED STARTING DILUTIONS

MILSTAR 600HFP is to be mixed with water for use. Always add concentrate to water. Add no other materials to the concentrate or mix unless approved by your CIMCOOL[®] Technical Services Specialist.

- Machining and grinding 5% - 10% (3.3 to 6.7 on the refractometer scale)
- The Refractometer Factor is 1.5
- 5% Mix pH is typically 7.9

SAFETY DATA SHEET:

Available at www.cimcool.com

For additional information refer to its OSHA SDS on www.cimcool.com website, or contact your local CIMCOOL[®] Technical Service Specialist or you may contact CIMCOOL Technical Services at 1-888-CIMCOOL.

Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

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AEROSPACE,
MEDICAL, DEFENSE