



Product Information Flyer

DESCRIPTION

CIMTECH 320Z is an aerospace approved synthetic metalworking fluid recommended for heavy to severe-duty machining and grinding operations, including creep feed grinding, on non-ferrous or ferrous metals.

CIMTECH 320Z is free of chlorine, triazine and DCHA.

APPLICATION

CIMTECH 320Z can be used on wrought aluminum alloys (2024, 6061, 7050, 7075), cast aluminum alloys (380, 390), cast iron, nodular iron, carbon steels, stainless steels, titanium and other exotic alloys except magnesium alloys. It is especially suited for high pressure coolant delivery systems.

FEATURES & BENEFITS

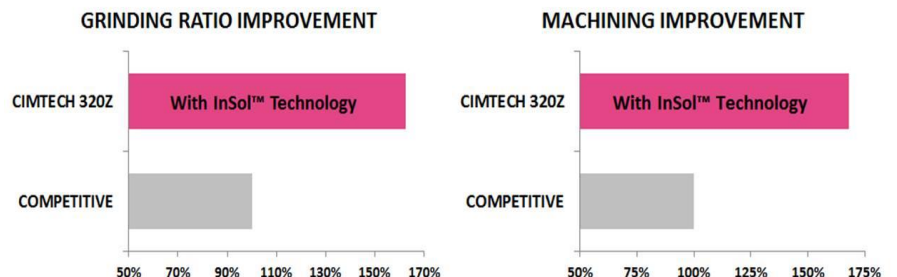
- Excellent lubricity, tool life and surface finish
- Excellent rancidity control
- Rejects tramp oil
- Low foaming in soft water

APPROVALS

AIRBUS ABR 9-0204 Issue 2

BOEING BAC 5008, Revision U, Areas 2, 5 and 6

BOMBARDIER BAMS 569-001, Revision B



CIMTECH® 320Z

AEROSPACE APPROVED SYNTHETIC METALWORKING FLUID

RECOMMENDED STARTING DILUTIONS

CIMTECH 320Z is to be mixed with water for use. Always add concentrate to water. Fluid may be more difficult to mix when water temperature is below 55°F (13°C). Add no other materials to the concentrate or mix unless approved by your CIMCOOL® Territory Manager.

Grinding	5% - 10%	(1:20 to 1:10)
Machining	5% - 10%	(1:20 to 1:10)

CONCENTRATION

BCG Titration, Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is 1.5

Multiply the scale reading obtained on your CIMCOOL® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration on a fresh charge.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Solubility in Water: 100% miscible

Viscosity (SUS) @ 100°F (38°C): 160

pH Concentrate: 8.1

Total Chlorine/Chloride: 0.0%/< 900ppm

Silicones: None

Appearance and Odour: Clear/Chemical

Weight, lb/gal, 60°F (15.6°C): 9.0

Flash Point /Sp.Gr./Boiling Point: SEE MSDS

pH Mix 5%, Typical Operating: 7.9

Total Sulfur, wt%: 0

HANDLING AND STORAGE

If frozen, product separates. Thaw completely at room temperature and stir thoroughly before use. Inside storage is recommended.

SAFETY DATA SHEET

Available at www.cimcool.ca

For additional information refer to its WHMIS MSDS, website or contact CIMCOOL® Technical Services at 1-513-458-8199 in Ohio or 1-888-254-1919 in Canada.

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.



3000 Disney Street
Cincinnati, OH 45209
1-513-458-8199
Fax 1-513-458-8179