

MILFORM[®]

METALFORMING FLUIDS

MILFORM[®] 8045TL

APPLICATIONS

MILFORM[®] 8045TL is a synthetic fluid for very heavy-duty stamping, piercing, punching, and drawing of ferrous and some non-ferrous metals.

FEATURES & BENEFITS

- EXCELLENT LUBRICITY
- EXCELLENT CORROSION CONTROL
- SIGNIFICANTLY IMPROVES TOOL AND DIE LIFE
- HAS REPLACED STRAIGHT OILS AND CHLORINATED PRODUCTS
- GOOD WELD THROUGH PROPERTIES
- GOOD CLEANLINESS
- CAN ALSO BE USED TO “ROLL FORM TAP” FERROUS MATERIALS

**RECOMMENDED
STARTING
DILUTIONS****FOR INDUSTRIAL USE ONLY.**

Use between 10% (1:10) and 50% (1:2) for moderate to heavy-duty stamping and drawing of ferrous and some non-ferrous metals.

MILFORM[®] 8045TL is to be mixed with water for use (add concentrate to water).

Add no other substances to the concentrate or mix unless approved by Technical Services (1-513-458-8199).

Not recommended for use with magnesium or alloyed magnesium.

For concentration analysis, use the MI Titration Procedure, Non Solvent Titration Procedure, or Refractometer.

**TYPICAL
PHYSICAL
AND
CHEMICAL
PROPERTIES**

Physical state: Liquid

Appearance and odor: Hazy / Chemical

Solubility in water: Complete

Weight, lb/gal, 60°F (15.6°C): 8.8

Specific gravity, (H 2 0 =1): 1.06

Boiling point, °F (°C): 212 (100)

Flash point, COC, °F (°C): None, Self Extinguishing

Fire point, COC, °F (°C): None, Self Extinguishing

Freezing point (or pour point), °F (°C): 12 (-11)

If frozen, thaw completely at room temperature.

pH, concentrate: 8.6

pH, 20.0% mix, typical operating conditions: 8.4

Total chlorine/chloride, wt%, calculated: 0.00/<50 ppm

Total sulfur, wt%, calculated: 8.2

Silicone: Yes

PACKAGING

Available in 5-gallon pails, 55-gallon drums, and bulk containers.

REFRACTOMETER FACTOR = 1.3 Multiply the scale reading obtained on your CIMCOOL[®] Metalworking Fluid or other acceptable refractometer by the **Refractometer Factor** to obtain the mix concentration in percent.

NOTE: Calibrate the refractometer so that it reads 0.0 with water, before testing the sample mix. Remove gross contaminants from the sample mix before testing.

WARRANTY: Milacron Products Division will grant credit on any product which proves defective in material or workmanship as determined by us subject to the following conditions: all material is subject to our inspection prior to issuing credit; any refund will be adjusted based on the volume of product used; no credit will be granted for used or unused product(s) over one year old as determined by the batch number. The terms in this warranty do not in any way extend to any product thereof covered by this agreement, which has a life, under normal usage, inherently shorter than the one-year period indicated above. Except as set forth expressly in writing herein, there are no other warranties express or implied in respect of any product. No warranty of merchantability or fitness for purpose shall apply.

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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