

MILFORM[®]

METALFORMING FLUIDS

MILFORM[®] 675

APPLICATIONS

MILFORM 675 is a heavy-duty, soluble oil, metalforming fluid designed for use on aluminum.

MILFORM 675 can also be used for moderate-duty, metalforming applications on copper, stainless steel, and cold rolled steel.

FEATURES & BENEFITS

- EXCELLENT LUBRICITY TO INCREASE TOOL LIFE
- EXCELLENT WETTING PROPERTIES
- EXCELLENT ALUMINUM CORROSION CONTROL
- GOOD WASHABILITY
- MILD TO SKIN
- SILICONE FREE
- CHLORINE, SULFUR, AND PHOSPHOROUS FREE

RECOMMENDED STARTING DILUTIONS

FOR INDUSTRIAL USE ONLY.

Use between 10% (1:10) and 30% (1:3.3).

MILFORM 675 is to be mixed with water for use (add concentrate to water). Add no other substances to the concentrate or mix unless approved by CIMCOOL® Technical Services (1-513-458-8199).

For concentration analysis, use MI or NS Titration.

Not recommended for use with magnesium or alloyed magnesium.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance and odor: Clear, chemical

Colors available: Undyed

Solubility in water: 100%

Weight, lb/gal, 60°F (15.6°C): 7.93

Boiling point, °F (°C): NA

Flash point, COC, °F (°C): 430 (221)

Fire point, COC, °F (°C): 450 (232)

Extinguishing media: Chemical foam, carbon dioxide, water fog, dry chemical

Unusual fire & explosion hazards: None

Freezing point (or pour point), °F, (°C): -10 (-23) If frozen, thoroughly thaw at room temperature and stir before using.

pH, concentrate: NA

pH, 15% mix, typical operating conditions: 7.8

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

Total sulfur, wt%, calculated: 0.00

DOT LABELING REQUIREMENTS

	Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101):	Hazard Class
By land:	Not a hazardous material	NA
By air or vessel (49 CFR 175-176)	NA	NA

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.

Consumable Products Division / Milacron Marketing Company
Cincinnati, Ohio 45209

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