

MILFORM[®]

METALFORMING FLUIDS

MILFORM[®] 5CF

APPLICATIONS

Use MILFORM 5CF neat (100%) for severe blanking, stamping, punching, piercing, sawing, tapping, and shearing of ferrous and non-ferrous materials.

Not recommended for copper, copper alloys, stainless steels or with magnesium or alloyed magnesium.

FEATURES & BENEFITS

- Unique, non-chlorinated, lubrication package.
- Excellent boundary and extreme pressure lubrication promotes increased production, longer die life, and reduced tool wear.
- Exceptional corrosion control on aluminum and lower grades of ferrous steels.
- Easy to wash off.
- Pleasant odors.
- Good anti-mist properties
- Flows easily through automated fluid delivery systems.

RECOMMENDED STARTING DILUTIONS

FOR INDUSTRIAL USE ONLY.

Use neat (undiluted) for heavy-duty stamping, drawing, blanking, bending, spinning, etc. on steel and some aluminum alloy applications.

Add no other substances to the product unless approved by CIMCOOL® Technical Services (1-513-458-8199).

MILFORM 5CF is not recommended for use with magnesium, copper, or their alloys.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance and odor: Clear, chemical

Colors available: Undyed

Solubility in water: Negligible

Weight, lb/gal, 60°F (15.6°C): 7.82

Specific gravity, (H₂O = 1): 0.937

Boiling point, °F (°C): NA

Flash point, COC, °F (°C): 350 (177)

Fire point, COC, °F (°C): 360 (182)

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

Unusual fire & explosion hazards: None

Freezing point (or pour point), °F, (°C): Product not affected by freezing.

pH, concentrate: NA

Total chlorine/chloride, wt%, calculated: 0.00/0.00

Total sulfur, wt%, calculated: 3.38

DOT LABELING

REQUIREMENTS

Hazardous Materials Description and Proper Shipping Name (49 CFR172.101):

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
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