

MILFORM[®]

METALFORMING FLUIDS

MILFORM[®] 8052

APPLICATIONS

MILFORM[®] 8052 is a synthetic fluid for severe-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 IN TAPPING, BLANKING, PIERCING, DEEP DRAWING, DRILLING, BROACHING, ROLLING, TURNING, MILLING, ETC. APPLICATIONS
- HAS REPLACED STRAIGHT OILS AND CHLORINATED PRODUCTS
- GOOD WELD THROUGH PROPERTIES
- GOOD CLEANLINESS

MILFORM[®] 8052

PART 2

RECOMMENDED STARTING DILUTIONS

FOR INDUSTRIAL USE ONLY.

Use between 5% (1:20) and 50% (1:2) for stamping and drawing ferrous and some nonferrous metals and between 5% (1:20) and 10% (1:10) for machining and grinding ferrous and some nonferrous metals.

MILFORM[®] 8052 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: Clear, Sassafras.

Solubility in water: Complete

Weight, lb/gal, 60°F (15.6°C): 8.8

Specific gravity, (H 20 =1): 1.05

Boiling point, °F (°C): 212 (100)

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

Fire point, COC, °F (°C): NA

Extinguishing media: NA

Unusual fire & explosion hazards: None

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

If frozen, thaw completely at room temperature.

pH, concentrate: 8.7

pH, 20.0% mix, typical operating conditions: 8.5

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

Total sulfur, wt%, calculated: 9.49

Mercurials, phenols, PCB's, PTBBA, nitrite, diethanolnitrosamine, chlorinated paraffins, chlorinated solvents, silicones, mineral oil:
none

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
Cincinnati, Ohio 45209

5/2/06