

## Forming Fluids

Product	Category	Application			Material		Features & Benefits
		Light	Medium	Heavy	Aluminium	Copper	
MILFORM 2108	Solvent Based	✓	✓	—	✓	—	Good die and tool life. Residue is compatible with R-134A, r-22 and R-410A. Suitable as a surface lubricant for the manufacturing of metallic articles that will have an incidental or unintended food contact, according to FDA21 CFR 178.3570 of 1 April 2004.
MILFORM 2128	Solvent Based	—	✓	—	✓	—	Uses ashless additives compatible with subsequent brazing processes. Good die and tool life. Non - staining to aluminium and aluminium alloys.
MILFORM 2220	Solvent Based	—	✓	✓	✓	—	"Evaporates" at room temperature after use. Uses ashless additives compatible with subsequent brazing processes. Good die and tool life. Non - staining on aluminium and aluminium alloys. Microbial spoilage is non - existent due to the absence of water.
MILFORM 2315	Solvent Based	✓	✓	✓	✓	—	"Evaporates" at room temperature after use, requiring no post cleaning. Non - staining to aluminium and preventing 'tooling pick - up' Good die and tool life. Suitable as a surface lubricant for the manufacturing of metallic articles that will have an incidental or unintended food contact, according to FDA21 CFR 178.3570 of 1 April 2004.
MILFORM 94	Ester Based	✓	✓	✓	—	✓	Light & Heavy duty copper tube bending.
MILFORM 645	Water soluble type	✓	✓	✓	✓	—	Heavy duty stamping fluid, can be used neat or diluted with water.



# VALUE PRODUCTS

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Product	Application	Water Hardness		Material			Features & Benefits
		Hard	Soft	Cast Iron	Steel	Aluminium	
CUMI FORM 1006	Solvent Based	—	—	—	—	✓	Light duty solvent based.
CUMI FORM 5004	Oil Based	—	—	✓	✓	✓	Light & medium duty stamping and forming with extreme pressure additive.

## Neat Oils

Product	Application	Kinematic Viscosity 40°C (mm <sup>2</sup> /S)	Flash Point (°C)	CuCorrosion Test (100°C, 3hr)	Material	Features & Benefits
CUMI NEAT 5	Grinding & honing	4-6	< 120	1	Ferrous Non - Ferrous	Better finish and closer tolerance for top quality production Low viscosity enabling excellent cooling action. Can be used for almost all yellow metal & carbide grinding.
CUMI NEAT 10	Grinding, Honing & General machining	9-11	< 130	1	Ferrous Non - Ferrous	Excellent lubricity and extreme pressure performance for gear grinding Low viscosity enabling excellent cooling and reduced top-up.
CUMI OIL 308	Grinding & General machining	18-22	< 170	4	Ferrous	Better finish and closer tolerances for top quality parts production. Increased tool life and reduced maintenance. Less downtime, fewer rejects, and increased productivity.
CUMI NEAT 1004	Grinding & General machining	18-22	< 170	4	Ferrous	Remains highly stable over a wide of range of temperatures . Very high flash point. Resists foaming and misting. Resists oxidation , reduces grinding energy. Keeps grinding wheel open and permits free cutting.