

### Metalworking Fluids

#### CIMPERIAL® 1070/LF

- Premium soluble oil metalworking fluid recommended for a wide variety of heavy-duty jobs, both ferrous and nonferrous
- For all machining and grinding operations
- Minimizes the need for many fluids and machine recharges
- Best use at 5-10% • Undyed/Opaque

#### QUAL STAR® LF

- Semi-synthetic metalworking fluid for moderate to heavy-duty machining and grinding operations on ferrous and nonferrous metals
- Keeps parts and tools cool, liquid residue keeps machine components clean and free moving
- Excellent corrosion control on ferrous metals, will not stain aluminum alloys
- Best use at 5-7%. Use in hard water greater than 150-200 ppm hardness

#### CIMSTAR® 540

- Biostable semi-synthetic best used for light to moderate applications on ferrous and nonferrous metals
- Has exceptional resistance to mold and bacteria, will not develop offensive odors
- Improves sump life
- Excellent for turning, machining, ID and OD grinding
- Best use at 5-7%

#### CIMTECH® 500

- Clear water based synthetic metal working fluid for heavy-duty operations on ferrous metals
- Very low foaming and has outstanding microbial control
- Rejects tramp oil so fluid stays clear and transparent
- Economical to use with very low make-up rates
- Best use at 5-10%

#### CIMTECH® 95

- Clear low foaming biostable synthetic fluid for light-duty ferrous applications
- Provides excellent corrosion control
- Recommended for Blanchard, double-disc, and surface grinding of ferrous metals
- Keeps wheel clean and open
- Best use 4-5%

#### CIMCLEAN® 40

- For cleaning, individual machine and central system reservoirs, metalworking fluid lines, premix tanks, machines and parts
- Thoroughly removes chip deposits and tramp oil from central systems and machines
- Contains corrosion inhibiting ingredients to protect machines and parts (cast iron and steel) from rust during cleaning
- Can be used through machines and sumps or used separately for more thorough cleaning

#### CIMTAP® II

- Water soluble liquid that contains chemical and EP lubricants
- Used on ferrous and most nonferrous materials
- Very clean to use, readily soluble in water or water based metalworking fluids
- Liquid that can be applied for the squirt bottle either during tap production or when tap is stationary
- Easily cleaned from parts

#### CIMTAP® Paste Tapping Compound

- Contains chemical and EP lubricants
- Good lubricity, eliminates chip welding, tap burning and tap breakage
- Provides accurate threads and maximum production
- Readily soluble in water or metalworking fluids
- Can be used on ferrous or nonferrous metals
- Available in convenient one pint cans

#### CIMCHECK® Test Strips

- A new, simple, trouble-free method to check concentration of Cimcool metalworking fluids
- No equipment - No Lab - Safe - Reliable - Inexpensive - Quick
- Each bottle contains 50 strips

#### CIMCOOL® Metalworking Fluid Mix Station

- Provides two dilutions of a single Cimcool metalworking fluid concentration; 1-Charge 2-Make-up of machine sump
- Uses two water powered venturi proportioners
- Only requires water line and hose
- Unit mounts on the wall over drum or pail of metalworking fluid
- Provides accurate and consistent concentration control



#### Metalworking Fluid Application Guide - Grinding

1 Metal	Steels		Aluminum		Nonferrous	High Temp Alloys	
	400 Series	Stainless	High Silicon	Low Silicon	Copper	Stainless Steel	Nickel Base
	Carbon		Automotive	Aerospace <td>Brass <td>300 Series <td>Cobalt Base </td></td></td>	Brass <td>300 Series <td>Cobalt Base </td></td>	300 Series <td>Cobalt Base </td>	Cobalt Base
	Alloys, Tool Steels	Iron			Other	pH Series	Iron Base
							Titanium
2 Severity	3 Appropriate Fluid						
Very Heavy-Duty ALL	Contact CIMCOOL Tech Svc.						
Heavy-Duty Form, Thread, Flute	CIMPERIAL 1070/LF CIMTECH 600		CIMPERIAL 1070/LF		CIMPERIAL 1070/LF		
Creep Feed	Contact Tech Svc.					Contact Tech Svc.	
Medium-Duty Centerless/Shoe Type Centertype Internal Tool Room Gen. Purpose	QUAL STAR/LF QUAL STAR/LF QUAL STAR/LF QUAL STAR/LF CIMPERIAL 1070/LF		CIMPERIAL 1070/CF CIMSTAR QUAL STAR/LF		CIMPERIAL 1070/LF QUAL STAR/LF CIMPERIAL 1070/LF		
Light-Duty Double Disc/Rotary Surface	CIMTECH 95		CIMSTAR 64D		CIMTECH 95		

#### Metalworking Fluid Application Guide - Machining

1 Metal	Steels		Aluminum		Nonferrous	High Temp Alloys	
	400 Series	Stainless	High Silicon	Low Silicon	Copper	Stainless Steel	Nickel Base
	Carbon		Automotive	Aerospace <th>Brass</th> <th>300 Series</th> <th>Cobalt Base</th>	Brass	300 Series	Cobalt Base
	Alloys, Tool Steels	Iron			Other	pH Series	Iron Base
							Titanium
2 Severity	3 Appropriate Fluid						
Very Heavy-Duty (Broaching, Tapping)	CIMPERIAL 1070/LF						
Heavy-Duty (Drilling, Reaming, Sawing, Rough Milling)	CIMTECH 500		CIMPERIAL 1070/CF		CIMTECH 500		
Medium-Duty (Turning)	QUAL STAR/LF, CIMSTAR 540		CIMSTAR, QUAL STAR/LF				
Light-Duty (Finish Milling)	CIMSTAR 540						

1-Select type of metal to be worked 2-Determine severity of operation 3-Select appropriate fluid

#### Metalworking Fluids

Desc.	Container		Order #	Price Ea.
	Type	Size		
CIMPERIAL 1070	Pail	5 Gal.	05930052	\$114.90
CIMPERIAL 1070	Drum	55 Gal.	05930060	1145.98
QUAL STAR/LF	Pail	5 Gal.	05930094	105.77
QUAL STAR/LF	Drum	55 Gal.	05930102	1038.11
CIMSTAR 540	Pail	5 Gal.	05930110	95.68
CIMSTAR 540	Drum	55 Gal.	05930128	931.59
CIMTECH 500	Pail	5 Gal.	05930136	145.19
CIMTECH 500	Drum	55 Gal.	05930144	1450.45
CIMTECH 95	Pail	5 Gal.	05930151	68.06
CIMTECH 95	Drum	55 Gal.	05930169	643.52
CIMCLEAN 40	Pail	5 Gal.	05930177	90.66
CIMCLEAN 40	Drum	55 Gal.	05930185	879.91
CIMTAP II	Bottle	16 oz.	05930193	7.28
CIMTAP Paste	Can	1 pt.	05930201	6.14
CIMCHECK Test Strips	—	50 Pack	05930219	38.67
CIMCOOL Mix Station	—	—	05930227	380.12

<sup>1</sup>FOB Factory