

COOLCUT S-30

Soluble Cutting Lubricant

Coolcut S-30 is a premium mineral oil based cutting fluid with EP additives designed for all metal removal applications in steel as well as non-ferrous metals. It is free of chlorinated compounds and nitrates. Mixing it with water result in a highly stable micro-emulsion with excellent lubricating and anti-corrosion properties. The emulsion resists bacteria growth and provides long bath life with little maintenance.

Features & Benefits:

- Dilutes up to 1:30
- Allows increased feed, speed and productivity
- Excellent corrosion protection
- Highly stable for long bath life
- Drilling, sawing, milling, turning, reaming, broaching, shaping, hobbing, grinding of ferrous and non-ferrous metals

| Description | Size | | Order No. | SDS |
|-------------|--------|----------|-----------|--------|
| | Metric | Imperial | | |
| Liquid | 3.78L | 1.3 gal. | 53-C 005 | L-119E |
| Liquid | 20L | 5.2 gal. | 53-C 007 | L-119E |
| Liquid | 208L | 55 gal. | 53-C 008 | L-119E |

ACCESSORIES

| | |
|-----------------------------|----------|
| PB-30 Preservative Booster* | 53-C 011 |
| Valve for 5L containers | 53-L 113 |
| Valve for 20L container | 53-L 207 |

**PB-30 Preservative Booster enhances the homogeneity of the emulsion, helps maintain pH levels and improves corrosion protection while eliminating odors.*

Technical Information

| | |
|-----------------------------|----------------------------------|
| Refractometer Factor | 0.9 |
| Density | 0.970 g/ml (at 20°C) |
| Flashpoint | N/A |
| Odor/color | Mineral oil like / Brown |
| pH (at 10%) | 9.3 |
| Rinsability | Fully miscible |
| Viscosity | 570 mm ² /s (at 20°C) |

SDS available upon request or visit our web site at www.walter.com

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Application dilution chart:

| Material | Dilution ratio | Dilution % | Application |
|-----------------------------------|------------------|------------|--|
| Steel and Cast iron | 1:20 - 1:10 | 5% - 10% | Turning, Milling, Drilling, Threading, Tapping, Sawing, Reaming, Broaching, Shaping, Hobbing |
| Stainless Steel | 1:12 - 1:8 | 8% - 12% | Turning, Milling, Drilling, Threading, Tapping, Sawing, Reaming, Broaching, Shaping, Hobbing |
| Copper Alloys and Aluminum Alloys | 1:20 - 1:8 | 5% - 8% | Turning, Milling, Drilling, Threading, Tapping, Sawing, Reaming, Broaching, Shaping, Hobbing |
| Other Non-Ferrous Alloys | 1 :30 – 1 :10 | 3,3% - 10% | Turning, Milling, Drilling, Threading, Tapping, Sawing, Reaming, Broaching, Shaping, Hobbing |

Dilution Chart

| Dilution ratio | Dilution % | ml of cleaner/ 1L of water | fl. oz. of cleaner/ 1 gal of water |
|----------------|------------|-------------------------------|---------------------------------------|
| 1:30 | 3,3% | 33ml | 4,3 fl. oz. |
| 1:20 | 5% | 50ml | 6,4 fl. oz. |
| 1:14 | 7% | 70 ml | 9,0 fl. Oz. |
| 1:10 | 10% | 100ml | 12,8 fl. oz. |
| 1:8 | 12% | 120 ml | 15,4 fl. oz. |
| 1:7 | 15% | 150 ml | 19,2 fl. oz. |

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