



Shell Dromus BLC

Biocide containing soluble oil for metal removal applications

Shell Dromus BLC is a general purpose soluble oil concentrate with and added biocide and extreme pressure performance.

Applications

Shell Dromus B is suitable for general machining operations of moderate severity and general purpose grinding where an opaque fluid is acceptable. This coolant may be used with low to medium tensile general engineering steel stock, conventional aluminum alloys, copper, free machining brasses, and other copper alloys.

| | |
|--------------------------------------------------------------|-----------|
| General machining | : 3 – 5 % |
| Heavy machining (Reaming, milling, boring, deep drilling) | : 3 – 5 % |

Storage

The product should be stored inside (41-104°F) for no more than one year. Freezing should be avoided.

Performance Features and Benefits

- **Contains biocide** - enhances fluid life
- **Excellent tool lubrication** - due to high oil concentration
- **Easy emulsification - stable emulsions**
- **Low foaming tendency**
- **Good corrosion inhibition**
- **Nitrite-free**
- **Good rust protection** - tool and parts
- **Easy removal from parts**
- **No phenol-based additives**

Recommended Concentrations

The concentration varies depending on the type of machining operation, the water hardness, and the required corrosion protection. The typical recommended concentrations for use in medium water hardness are:

Health & Safety

Please note that mixed coolants work over long periods of time, therefore chemical contamination (hydraulic oils, greases, metal solutions, paints, rust inhibitors, etc.) or bacterial contamination (from dirty hands, work pieces, industrial grade water, sundry waste, etc.) can often occur. Contamination with the above materials should be minimized/eliminated. Regular monitoring of the in-use product is recommended to maintain optimum product condition and for determination of its useful working life.

Protect the environment

Waste must be disposed of in accordance with EC Directive 91/156, 91/689 and 94/62 or in line with local legislation.

Typical Physical Characteristics

| | Unit | Method | Shell Dromus BLC | |
|--------------------------------------|-------------|---------------|-------------------------|---------|
| Product Codes | | | Bulk | ibid |
| | | | Drum | 5073384 |
| | | | Pail | 5073381 |
| Appearance | | | Dark Pale | |
| Density @ 20°C | g/mL | ASTM D 1298 | 0.91 | |
| pH of the emulsion at 5% | | DIN 51369 | 9.0 | |
| Min Anti-Cor. Protection Limit (0-0) | % | DIN 51360/2 | 2.0 | |
| Refractometer Factor | | | 1.02 | |

These characteristics are typical of current production. While future production will conform to Shell's specification, variations in these characteristics may occur.