



# RedLine<sup>®</sup> Tools

## Metalworking Lubricants

### RO412/RO428/RO840 (Cutting Oils)



**RO412/RO428/RO840** provides your metalworking operation with some of the most advanced technologies available on the market. The **RO412/RO428/RO840** is the best of all worlds it provides outstanding performance, extremely good machinability, incredible versatility, and most importantly operator safety and acceptance.

#### Key Features and Benefits:

- Low odor, no pungent sulfur or solvent odors
- Particularly good for Swiss Automatic with high pressure
- Can be used indefinitely, can be filtered or decanted and reused
- No disproportionate depletion of additives so none are required
- High quality standards results in consistent reliable performance
- For light to heavy metal cutting and metal forming applications
- Suitable for a broad range of materials, ferrous and non ferrous
- Non-toxic to the skin, non-hazardous ingredients, and low misting
- Low residue, will not gum up under normal operating conditions
- Provides excellent lubrication for the moving parts of the machine

#### Recommended Application:

RedLine Tools	Stock Diameter			Material					
	< 0.25"	0.25-0.75"	0.75" >	Brass	Carbon Steel	Copper	Nickel Alloy	Stainless Steel	Titanium
RO412	XX	X	X	XX	XX	XX	XX	XX	XX
RO428	X	XX	X	X	XX	X	XX	XX	XX
RO840		X	XX	X	X	X	XX	XX	XX

X = Recommended      XX = Highly Recommended

#### Physical Properties:

RedLine Tools	RO412	RO428	RO840
Form	Liquid	Liquid	Liquid
Color	Red	Red	Red
Odor	Mild	Mild	Mild
Chlorine	4%	4%	4%
Sulfur, Active	None	None	None
Viscosity cSt 40°C	12	28	40
Specific Gravity	0.880	0.928	0.953
Flash Point °F	325	330	350

#### Health, Safety, and Environment:

**RedLine Tools RO412/RO428/RO840** products are developed to be safe for the people that use it, and safe on the environment before and after its use. For more information please refer to the MSDS.