



RedLine[®] Tools

Metalworking Lubricants

RO412/RO428/RO840 (Cutting Oils)



RedLine RO412/RO428/RO840 provides your metalworking operation with some of the most advanced technologies available on the market. The RedLine 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:

	Stock Diameter			Material					
	< 0.25"	0.25-0.75"	0.75" >	Brass	Carbon Steel	Copper	Nickel Alloy	Stainless Steel	Titanium
RedLine 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	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 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.