

Technical Data Sheet



RLT-SO101P Soluble oil Package

Description

RLT-SO101P is a multi-functional soluble oil additive package based on paraffinic base oil. It can produce a wide range of high-performance soluble oil with excellent lubricity, corrosion inhibition and emulsion stability.

RLT-SO101P contains some special lubricants, and provides excellent cooling and lubricity properties for light-to-medium duty applications on ferrous and non-ferrous metals, resulting in extended tool life and good surface finishes on machined parts. Compared to traditional soluble oil, it has been special formulated to provide enhanced rust protection, bacteria prevention, and greater emulsion stability.

RLT-SO101P has very low foaming tendency, which allows its use in high-speed applications. It exhibits good hard water stability, and can maintain stable with water hardness up to 300-500ppm. SO 101P performs good bio-stability. It is mild and non-irritating to skin. Manufacturers can add some EP additives in the formulation to improve overall performance.

Features and benefits

- Excellent emulsification of paraffinic base oil
- Excellent rust protection
- Good hard water stability
- Low foaming property

Typical physical and chemical properties

Appearance	Clear Yellow Liquid
Specific Gravity @ 25°C	0.99
PH,5% in water (20% in paraffinic oil)	9.53
RECOMMENDED BLEND RATIOS	
RLT -101P	15%-30%
Paraffinic base oil	85%-70%
Hard water resistant	300PPM-500PPM

Application

RLT-SO101P is recommended for light to medium duty operations on a wide variety of ferrous and non-ferrous metals (except magnesium alloys). Manufacturers can add some EP additives in the formulation to improve overall performance.

Storage

- Store inside warehouse
- Store out of direct sunlight
- Avoid water collecting on barrel top