

RELIAPRESS RB Series

Chlorine-free high-performance forming oil for stainless steel materials

RELIAPRESS RB is a specialized oil for metal forming operations such as deep drawing, punching and bending, ideally suited for stainless steel materials like SUS304.

● Special Features

1. RELIAPRESS RB offers high processing performance equivalent to chlorinated oils, thanks to its unique additive formulation technology that does not include chlorine-based additives.

2. RELIAPRESS RB, with its superior lubricity, helps to reduce machining heat, resulting in minimal discoloration of product surfaces and extended die life.

3. RELIAPRESS RB can be applied to processing of a wide range of materials, including SS, SC, and SUS grades. It exhibits particularly high performance when working with SUS materials.

4. RELIAPRESS RB is an environmentally friendly oil that does not contain chlorine or lead additives, reducing the times and costs associated with waste oil disposal. It also helps to prevent rust formation on dies and machinery.

● Applications

RELIAPRESS RB is ideal for the metal forming of various steel sheets, including carbon steel and galvanized steel, as well as stainless steel sheets, in processes such as deep drawing, punching, and bending.

● Containers

200-liter drum and 20-liter can

● Typical Properties of RELIAPRESS RB Series

Grade		50	90
Color (ASTM)		L5.0	L6.5
Density (15°C)	g/cm ³	1.019	1.022
Kinematic viscosity (40°C)	mm ² /s	50.9	91.3
Flash point (COC)	°C	182	198
Acid number	mgKOH/g	41.3	41.2
Saponification number	mgKOH/g	150	150
Copper strip corrosion (100°C, 1h)		4	4
Sulfur content	mass%	10.9	10.9

Note: The typical properties may be changed without notice. (June 2024)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard pictograms:	
Signal word:	Warning
Hazard Statement:	Causes skin irritation Causes serious eye irritation
Precautionary Statements:	
Prevention	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER/doctor.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.• If skin irritation occurs: Get medical advice/attention.• IF IN EYES: Rinse cautiously with water for several minutes.• Remove contact lenses, if present and easy to do. Continue rinsing.• If eye irritation persists: Get medical advice/attention.• Take off contaminated clothing and wash it before reuse.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.