

# RELIAPRESS RB Series

Chlorine-free high performance deformation processing oil  
for stainless steel material

**RELIAPRESS RB Series** is press oil especially for press works such as deep-drawing, punching and bending work of hard-to-process materials such as SUS304 stainless steel.

## ● Special Features

**1. RELIAPRESS RB** has high processing performance comparable to that of chlorinated processing oil by using original additive blending technology that does not use chlorine type additives.

**2. RELIAPRESS RB** keeps operation temperature low by the excellent lubricity. It can suppress the surface coloration of products, and also prolong metallic mold life.

**3. RELIAPRESS RB** is suitable as a press oil for wide materials such as SS, SC and SUS, etc. In particular, it will deliver high performance in the processing of SUS material.

**4. RELIAPRESS RB** is environmentally-friendly oil free of dioxin generation, because chlorine and lead additives are not contained. It can also prevent forming rust on products and machines.

## ● Applications

**RELIAPRESS RB** is suitable for metal forming such as deep drawing, punching and bending of steel sheets (carbon steel sheet and galvanized steel sheet) and stainless steel plate.

## ● Containers

200-liter drums and 20-liter cans

## ● Typical Properties of RELIAPRESS RB Series

Grade		50	90
Color(ASTM)		L6.0	L6.5
Density (15°C)	g/cm <sup>3</sup>	1.024	1.026
Kinematic viscosity (40°C)	mm <sup>2</sup> /s	50	90
Flash point (COC)	°C	182	198
Acid number	mg KOH/g	45	45
Saponification number	mg KOH/g	150	150
Copper strip corrosion(100°C,1h)		4	4
Sulfur content	mass%	11.5	12

Note: The typical properties may be changed without notice. (Feb. 2017)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil, Additives
<b>Hazard pictograms:</b>	
<b>Signal word:</b>	Danger
<b>Hazard Statement:</b>	Causes skin irritation Causes serious eye damage Harmful to aquatic life Toxic to aquatic life with long lasting effects
<b>Precautionary Statements:</b> <b>Prevention</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.(P202)</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.(P280)</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Avoid release to the environment. (P273)</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.(P270)</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.(P301+P310)</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.(P301+P330+P331)</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.(P302+P352)</li><li>• Take off contaminated clothing and wash before reuse.(P362+P364)</li><li>• If skin irritation occurs : Get medical advice/attention.(P332+P313)</li><li>• IF IN EYES: Rinse continuously with water for several minutes.</li><li>• Remove contact lenses if present and easy to do. Continue rinsing.(P305+P351+P338)</li><li>• Immediately call a POISON CENTER or doctor/physician.(P310)</li><li>• Collect spillage. (P391)</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>