

RELIAPRESS RC Series

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

RELIAPRESS RC Series is forming processing oil especially for deep drawing, punching and bending of hard-to-process materials such as SUS304 stainless steel. **RELIAPRESS RC Series** greatly improves the processing performance compared to conventional non-chlorine processing oil, and it can perform hard processing of stainless steel materials with performance comparable to that of chlorinated processing oil.

● SPECIAL FEATURES

- RELIAPRESS RC** has high processing performance comparable to that of chlorinated processing oil by using original additive blending technology that does not use chlorine type additives.
- RELIAPRESS RC** is environmentally-friendly oil free of dioxin generation, because chlorine additives are not contained.
- RELIAPRESS RC** will be able to reduce time and cost of waste oil treatment, because it does not contain chlorine or lead additives. It can also prevent the formation of rust on the molds.
- RELIAPRESS RC** can be applied to a wide range of materials except aluminum and copper. In particular, it will deliver high performance in the processing of SUS material.

● APPLICATIONS

RELIAPRESS RC is suitable for metal forming processing such as deep drawing, punching and bending of steel sheets (carbon steel sheet and galvanized steel sheet) and stainless steel sheet. It can also be applied to fine blanking processing.

● CONTAINERS

200-liter drum and 20-liter can

● TYPICAL PROPERTIES OF RELIAPRESS RC SERIES


Grade		100	150
Color (ASTM)		L7.5	L7.5
Density (15°C)	g/cm ³	1.040	1.057
Kinematic viscosity (40°C)	mm ² /s	90.1	147
Flash point (COC)	°C	142	172
Pour point	°C	-32.5	-27.5
Acid number	mg KOH/g	11.6	12.4
Copper strip corrosion (100°C,1h)		4	4
Sulfur content	mass%	14.0	14.6

Note: The typical properties may be changed without notice. (Feb. 2025)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard pictograms:	
Signal word:	Danger
Hazard Statement:	Causes serious eye damage Harmful to aquatic life with long lasting effects
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.• Avoid release to the environment.• 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 IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
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.