

RELIASOL C-N(N)

Solution Type Grinding Fluid for General Purpose

RELIASOL C-N(N) is a general-purpose, solution-type grinding fluid that contains surfactants, oily agents, anti-decay agents, and rust inhibitors. It has excellent penetration and detergency properties. This product does not contain sulfur, phosphorous, or chlorine-based extreme pressure agents, and is therefore not subject to the PRTR law. It is also free of candidate chemical substances for the Poisonous and Deleterious Substances Control Law, and has been formulated with consideration for its effects on the human body. **RELIASOL C-N(N)** meets the requirements of JIS K 2241 Type A3, No. 1.

● Special Features

1. Excellent Grinding Characteristics

RELIASOL C-N(N) is a solution-type grinding fluid with excellent penetration and detergency, making it particularly effective for finishing grinding of steel materials.

2. Excellent Decay Resistance

RELIASOL C-N(N) contains antibacterial agents, which help maintain superior decay resistance and rust prevention properties over a long period of time, resulting in an extended fluid life.

3. Excellent Anti-Foaming Properties

4. Environmentally Compliant

RELIASOL C-N(N) is an environmentally friendly product that is not subject to the PRTR law.

5. High Human Safety

RELIASOL C-N(N) is a product that does not contain candidate chemicals subject to the Poisonous and Deleterious Substances Control Law, and takes into consideration the effects on the human body.

● Applications

RELIASOL C-N(N) is suitable for general grinding and precise finishing of ferrous materials, including carbon steel and cast iron.

● Dilution Rate During Use

Grinding of steel materials: 30 to 50 times

● Containers

200-liter drum and 20-liter can

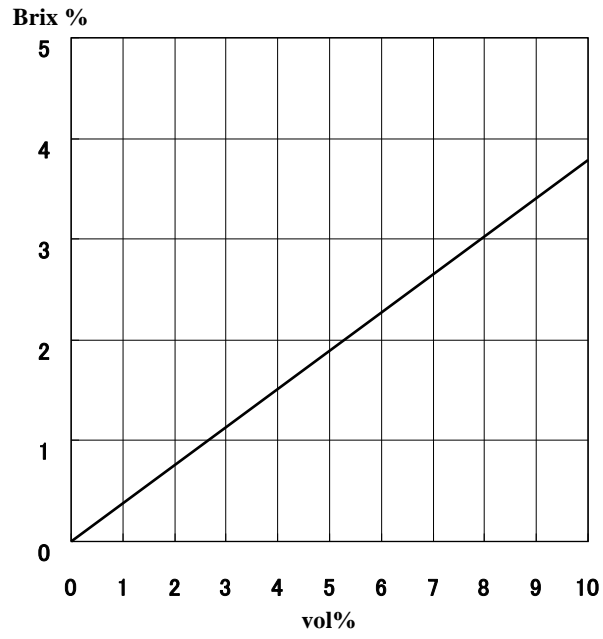
● Typical Properties of RELIASOL C-N(N)

Appearance (original fluid)		Colorless - Light yellow
(diluted fluid)		Clear and colorless
Density (15°C)	g/cm ³	1.06
Surface tension* (25°C)	mN/m	52.5
pH *		9.7
Anticorrosion test (RT, 48h)* Steel sheet		No discoloration
Foaming* (24°C)	ml	0

*Measured with 30x diluted fluid (based on JIS K 2241).

Note: The typical properties may be changed without notice.
(November 2023)


Concentration Conversion Graph for RELAIASOL C-N(N)
(Atago Digital Refractometer PR-101)





Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Water-soluble processing oil (Additives)
Hazard pictograms:	
Signal word:	Danger
Hazard Statement:	Causes skin irritation Causes serious eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child
Precautionary Statements:	<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.• Contaminated work clothing should not be allowed out of the workplace.• Obtain special instructions before use.• Avoid breathing dust/fume/gas/mist/vapours/spray.• 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 exposed or concerned: Get medical advice/attention.• If skin irritation or a rash 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.• 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.• Store locked up.
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.