

# ANTIRUST P-1920

## Wax Film Type Long-Term Rust Preventive Oil

For outdoor storage or long-term indoor storage of iron and steel products, a rust preventive oil that forms a highly durable coating is required. **ANTIRUST P-1920** forms a relatively non-sticky, translucent wax-like film, making it applicable for machinery and components stored outdoors or shipped overseas. **ANTIRUST P-1920** excels in both cold resistance and maintaining its coating at high temperatures. It is classified as NP-19 under JIS (Japanese Industrial Standards) K 2246.

### ● SPECIAL FEATURES

#### 1. Excellent Rust Prevention

After the solvent in **ANTIRUST P-1920** evaporates and dries, it forms a translucent wax-like coating that provides long-term rust protection.

#### 2. Superior Rust Protection in Both Cold and Hot Conditions

The coating of **ANTIRUST P-1920** maintains excellent impact resistance even at low temperatures of  $-20^{\circ}\text{C}$ . Additionally, at high temperatures of up to  $130^{\circ}\text{C}$ , the coating on vertical surfaces (100 $\mu\text{m}$  thick) remains intact without running, ensuring a dense and effective protective layer. These features provide superior rust protection.

#### 3. Thixotropic Fluid\*

**ANTIRUST P-1920** decreases in viscosity when agitated or shaken.

\*: Thixotropy refers to a property where a fluid becomes less viscous over time when subjected to shear stress, but returns to its original viscosity when at rest.

### ● APPLICATIONS

For outdoor storage and long-term indoor storage of exported machinery, machine parts, and other iron and steel products.

### ● COATING METHODS

Brushing (best when well agitated or heated to  $30-40^{\circ}\text{C}$ ), spraying (airless type at 30-80  $\text{kg}/\text{cm}^2$ )

### ● CONTAINERS

180-kg drum and 20-liter pail can

### ● STORAGE PRECAUTIONS

If stored for a long period, the solvent may separate. In such cases, please mix it well before use. When left in cold outdoor locations during winter, the viscosity will increase, reducing workability. Conversely, when left in hot outdoor locations during summer, the expansion of the solvent can cause the cans to swell, and excessive solvent separation or reduced viscosity can also decrease workability. Therefore, store this oil indoors in a location with minimal temperature fluctuations.

## ● TYPICAL PROPERTIES OF ANTIRUST P-1920

Appearance			Dark brown liquid
Color	(ASTM)		L4.0
Density	(20°C)	g/cm <sup>3</sup>	0.831
Flash point	(PM)	°C	38
Apparent viscosity	(20°C)	mPa·s	14,080
Salt spray test	(50µm, Class A holding time)	hours	> 500
Heat resistance	(130°C, 20min, vertical surface at 100µm film thickness)		No running
Water resistance	(40°C, 5days)		Normal
Cold temperature bending	(-20°C, applied to φ20mm mandrel)		No breaking
Rust protection	(Outdoors)	months	6
	(Indoors)	years	2
Type of coating			Dry translucent film
Film thickness	(Approx.)	µm	>50

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



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Additives
<b>Hazard pictograms:</b>	
<b>Signal word:</b>	Danger
<b>Hazard Statement:</b>	<p>Flammable liquid and vapour</p> <p>Causes serious eye irritation</p> <p>May cause an allergic skin reaction</p> <p>May cause respiratory irritation, or May cause drowsiness dizziness</p> <p>May be fatal if swallowed and enters airways</p> <p>Harmful to aquatic life</p> <p>Harmful to aquatic life with long lasting effects</p>
<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.</li> <li>• Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li> <li>• Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>• Avoid release to the environment.</li> <li>• Ground and bond container and receiving equipment.</li> <li>• Use non-sparking tools.</li> <li>• Take action to prevent static discharges.</li> <li>• Use only outdoors or in a well-ventilated area.</li> <li>• Contaminated work clothing should not be allowed out of the workplace.</li> <li>• Avoid breathing dust/fume/gas/mist/vapours/spray.</li> <li>• Keep container tightly closed.</li> <li>• Wash hands thoroughly after handling.</li> <li>• Do not eat, drink or smoke when using this product.</li> </ul>

<p><b>Response</b></p>	<ul style="list-style-type: none"> <li>• IF SWALLOWED: Immediately call a POISON CENTER/doctor.</li> <li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</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.</li> <li>• IF INHALED: Remove person to fresh air and keep comfortable for breathing.</li> <li>• IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</li> <li>• If skin irritation or a rash occurs: Get medical advice/attention.</li> <li>• IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>• Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>• If eye irritation persists: Get medical advice/attention.</li> <li>• Do NOT induce vomiting.</li> <li>• Take off contaminated clothing and wash it before reuse.</li> </ul>
<p><b>Storage</b></p>	<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> <li>• Store in a well ventilated place. Keep container tightly closed.</li> <li>• Store in a well ventilated place. Keep cool.</li> <li>• Store locked up.</li> </ul>
<p><b>Disposal</b></p>	<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>