

# ANTIRUST TERAMI LS-W

## Barium-free, strong water displacement type solvent-diluting long term rust preventive oil

**ANTIRUST TERAMI LS-W** is a barium-free, solvent-diluting long term rust preventive oil with superior water displacement property. It is not sticky because petrolatum is not contained and excellent in the working efficiency. Barium-based additives, which are non-regulated barium compounds, are widely used for many rust preventive oils. However, the influence on person of specific barium compounds is apprehended recently, which will be regulated especially in U.S.A. and Europe. **ANTIRUST TERAMI LS-W** has a performance of the same level as the conventional barium-type rust preventive oils and can be used for the cleaning of export parts, etc. and long term rust prevention.

### ●SPECIAL FEATURES

#### 1. Excellent Water Removal Property

**ANTIRUST TERAMI LS-W** is superior in the performance to remove the water which remains in the metalwork parts, when water-soluble cutting and cleaning fluid are used in a previous process. For the purpose of the water removal, immersion method is effective in comparison with spraying or brushing.

#### 2. Superior Rust Prevention

**ANTIRUST TERAMI LS-W** delivers excellent protection from rust due to a blend of high quality base oil with the most suitable additives.

#### 3. Low Risk of Fire

**ANTIRUST TERAMI LS-W** has a high flash point (85°C) although it contains solvents. So it can be used with low risk of fire.

#### 4. Good Removal

Film of **ANTIRUST TERAMI LS-W** is easily removed with organic solvents or alkaline detergents.

#### 5. Easy to Use

**ANTIRUST TERAMI LS-W** is most suitable for cleaning of precision parts because petrolatum or wax is not contained. Moreover, it is easy to pass through a filter.

#### 6. Good for the Ecology

**ANTIRUST TERAMI LS-W** is an environmentally- friendly product due to barium-free type.

### ●APPLICATIONS

Machine parts, precision instrument parts, etc. (steel products)

### ●COATING METHOD

Immersion, spraying, brushing

### ●CONTAINERS

200-liter drums, 20-liter pail cans

### ●TYPICAL PROPERTIES of ANTIRUST TERAMI LS-W

Color	(ASTM)		L2.0
Density	(15°C)	g/cm <sup>3</sup>	0.832
Flash point	(PM)	°C	85
Viscosity	(40°C)	mm <sup>2</sup> /s	4.2
Water displacement(JIS K2246)			Pass
	(JX private test method)	rate	
	Tap water	s	<5
	Water-soluble cutting fluid(A1-1) 10%	s	<5
	Water-soluble cutting fluid(A3-1) 3%	s	<5
Humidity cabinet test	(Class A holding time)	h	>1,200
Salt spray test	(Class A holding time)	h	> 24
Protection	(Indoors)	months	6
Type of film			Semi-dry and transparent film
Film thickness		μm	2~3



## Handling Precautions

▼ Follow these precautions when handling this product.

<p><b>! CAUTION</b></p> <p><b>Handling Precautions</b></p>	<ul style="list-style-type: none"><li>● <u>Inflammation can occur if oil enters the eyes.</u> When handling this oil, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.</li><li>● <u>Inflammation can occur if oil comes into contact with skin.</u> When handling this oil, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.</li><li>● <u>The inhalation of mist may cause discomfort.</u> When handling this oil, wear a <u>respirator</u> or take other measures to <u>prevent mist inhalation</u>.</li><li>● Do not drink this oil. (Swallowing this oil can cause diarrhea and nausea.)</li><li>● It is possible to cut your hands when opening the container. Wear <u>protective gloves</u>.</li><li>● <u>Keep out of reach of children.</u></li><li>● Read the Safety Data Sheet (SDS) for this product before using the product. Obtain the SDS from where you purchased the product.</li></ul>
<p><b>First Aid</b></p>	<ul style="list-style-type: none"><li>● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.</li><li>● In case of skin contact, wash skin thoroughly with soap and water.</li><li>● If mist is inhaled, move the person to a location with fresh air, wrap the person in a blanket, keep the person warm and quiet, and consult with a physician.</li><li>● If this oil is swallowed, do not induce vomiting. Consult with a physician immediately.</li></ul>
<p><b>Disposal of Used Oil and Containers</b></p>	<ul style="list-style-type: none"><li>● Do not apply pressure to empty containers. The containers may burst if pressure is applied.</li><li>● Do not weld, heat, drill, or cut the containers. The remaining oil may ignite and the containers may explode.</li><li>● Follow all applicable laws and regulations when disposing of used oil or containers. If you are unsure of the proper disposal methods, consult first with the seller of the oil.</li></ul>
<p><b>Storage Method</b></p>	<p>Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the oil. Store in a dark location. Avoid direct sunlight.</p>