

# ANTIRUST TERAMI LS-W(N)

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

**ANTIRUST TERAMI LS-W(N)** 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(N)** 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(N)** 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(N)** 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(N)** has a high flash point (82°C) although it contains solvents. So it can be used with low risk of fire.

#### 4. Good Removal

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

#### 5. Easy to Use

**ANTIRUST TERAMI LS-W(N)** 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(N)** 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(N)

Color	(ASTM)		L1.5
Density	(15°C)	g/cm <sup>3</sup>	0.833
Flash point	(PM)	°C	82
Viscosity	(40°C)	mm <sup>2</sup> /s	4.2
Water displacement(JIS K2246)			Pass
	(JXTG 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

Note: The typical properties may be changed without notice (June 2019).



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Additives
<b>Precautionary pictograms:</b>	 
<b>Signal word:</b>	Danger
<b>Hazard Statement:</b>	Combustible liquid Causes skin irritation Causes serious eye damage May be fatal if swallowed and enters airways
<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/sparks/open flames/hot surfaces – No smoking.</li><li>• Use explosion-proof electrical/ventilating/lighting/equipment.</li><li>• Ground/bond container and receiving equipment.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</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>• Take off contaminated clothing and wash before reuse.</li><li>• If skin irritation occurs : Get medical advice/attention.</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.</li><li>• Immediately call a POISON CENTER or doctor/physician.</li><li>• Do NOT induce vomiting.</li><li>• In case of fire: Use suitable extinguishing media for extinction.</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><li>• Store in a well ventilated place. Keep cool.</li><li>• Store locked up.</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>