

ANTIRUST TERAMI LS-F

Barium-free long-term solvent-diluting fingerprint-removal rust preventive oil

ANTIRUST TERAMI LS-F is a barium-free, solvent-diluting long term rust preventive oil with fingerprint-removal 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 of specific barium compounds on person is apprehended recently, which will be regulated especially in U.S.A. and Europe. **ANTIRUST TERAMI LS-F** provides 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. Superior Rust Prevention

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

2. Low Risk of Fire

ANTIRUST TERAMI LS-F has a high flash point although it contains solvents. So it can be used with low risk of fire.

3. Good Removal

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

4. Excellent Fingerprint-Removal Characteristics

(1) Since **ANTIRUST TERAMI LS-F** has long-term rust prevention characteristics and fingerprint removal characteristics, you can unify the washing process aiming at fingerprint removal of the parts etc. which are treated with bare hands, and the long-term corrosion-proof treatment process before shipping.

(2) **ANTIRUST TERAMI LS-F** is effective to remove the rust generated by fingerprint in the case of other fingerprint-removal rust preventive oil or long-term rust preventive oil was applied.

5. Easy to Use

(1) Rust preventive oils containing metal will generate deposit or blockage after the heat treatment of the parts or sintered metal parts which have pores. **ANTIRUST TERAMI LS-F**, which is no ash oil, does not cause such a problem.

(2) **ANTIRUST TERAMI LS-F** is most suitable for cleaning of precision parts without stickiness because petrolatum is not contained. Moreover, it is easy to pass through a filter for the purpose of the removal of extraneous solids.

6. Good for the Ecology

ANTIRUST TERAMI LS-F 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-F


Color	(ASTM)		L2.0
Density	(15°C)	g/cm ³	0.84
Flash point	(COC)	°C	84
Viscosity	(40°C)	mm ² /s	4.9
Water displacement(JIS K2246)			Pass
Metal strip corrosion(JIS K2246 NP-0)			Pass
Humidity cabinet test	(Class A holding time)	h	>1,200
Salt spray test	(Class A holding time)	h	> 48
Protection	(Indoors)	months	6
Type of film			Semi-dry and transparent film
Film thickness		μm	3

Note: The typical properties may be changed without notice (June 2015).



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	
Signal word:	Danger
Hazard Statement:	Combustible liquid Causes skin irritation Causes serious eye irritation May be fatal if swallowed and enters airways
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.• Keep away from heat/sparks/open flames/hot surfaces – No smoking.• Use explosion-proof electrical/ventilating/lighting/equipment.• Ground/bond container and receiving equipment.• 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 or doctor/physician.• 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.• Take off contaminated clothing and wash before reuse.• If skin irritation occurs : Get medical advice/attention.• IF IN EYES: Rinse continuously with water for several minutes.• Remove contact lenses if present and easy to do. Continue rinsing.• Do NOT induce vomiting.• In case of fire: Use suitable extinguishing media for extinction.
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 in a well ventilated place. Keep cool.• 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.