

## Soft Film Rust Preventative ST-073 (Special for Cast Iron)

### Overview:

ST-073 is a high-performance soft film rust preventative specially formulated for cast iron and ferrous metals. This product is crafted with premium base oils, high-efficiency rust inhibitors, and specialized film-forming agents to create a dense protective layer on cast iron surfaces. It provides comprehensive rust prevention for machining, transportation, and storage, making it particularly suitable for long-term protection of high-precision cast iron components.

### Key Features

#### 1.Extended Rust Protection

- Salt spray resistance >48 hours (5% NaCl environment)
- Humidity resistance 360 hours (Grade A protection)

#### 2.Deep Penetration Protection

- Unique penetrating formula fills micro-pores in cast iron, blocking rust from within

#### 3.Environmental Adaptability

- Resistant to salt spray and high humidity, ideal for harsh conditions (e.g., marine shipping, damp storage)

#### 4.Easy Application & Removal

- Soft film design eliminates the need for pre-machining cleaning

### Technical Specifications

Item	Parameter
Kinematic Viscosity (40° C)	8-10 mm <sup>2</sup> /s
Film Type	Soft, Semi-Transparent
Drying Time (25° C)	30-60 minutes
Operating Temperature Range	-20° C to +120° C
Recommended Application Methods	Immersion/Spraying/Brushing

### Typical Applications

#### Protected Components:

- Machine tool cast iron beds/guideways
- Automotive engine blocks/transmission cases
- Hydraulic valve bodies/pump housings
- Cast iron pipes/flanges

## Application Scenarios

- Inter-process rust prevention (3-6 months protection)
- Marine export protection (6-12 months saltwater resistance)
- Long-term storage preservation

## Usage Guidelines

### 1. Surface Preparation

- Mandatory cleaning: Degrease and derust workpieces to Sa2.5 standard (ISO 8501-1) prior to application

### 2. Application Methods

Immersion	Room temperature dip: 1-2 minutes
Spraying	Pressure: 0.3-0.5 MPa (45-75 psi) Nozzle distance: 20-30 cm
Brushing	Apply evenly for complete coverage

### 3. Curing Process

- Touch dry: 30 minutes at ambient temperature
- Full cure: 24 hours for maximum protection

## Precautions

- ⚠ DO NOT mix with other rust preventatives
- ⚠ Surface must be completely dry before application
- ⚠ Store in a cool and ventilated place, away from fire sources

## Packaging Specifications

- 18L/drum ● 200L/drum (or customized according to customer requirements).