

RLT-RR640 Antirust Composite Agent

Product Introduction

RLT-RR640 Antirust Composite Agent is compounded with high-efficiency rust inhibitors, film-forming agents and polar co-solvents.

It exhibits excellent miscibility with paraffin base oil & industrial solvent oil, and the blended system remains clear and transparent after compounding.

This additive delivers outstanding damp-heat resistance and salt spray anti-corrosion performance for carbon steel, cast iron and ferrous metal workpieces, widely used as core additive for various industrial anti-rust oils.

Physical and Chemical Properties

Testing Items	Test Method	Technical Index
Appearance	Visual inspection	Brown to dark brown viscous liquid
Kinematic Viscosity (40℃), mm ² /s	GB/T265	350-650
Flash point (opening) ,℃	GB/T3536	>130
Rust resistance (salt spray test, 15%, 45 # steel, 30h)	SH/T0081	Qualified

Recommended Application

1. Formulate multiple types of anti-rust oil: quick-drying anti-rust oil, water-displacement dehydrating anti-rust oil, thin oil-film temporary anti-rust oil, sealed long-term storage anti-rust oil.
2. Applicable protection objects: mechanical hardware, castings, auto spare parts, steel stamping parts, bearing steel and other ferrous metal components.

Usage Guidance

- Recommended dosage range: 8% ~ 15% by weight in base oil system. Adjust addition proportion up to required anti-rust duration and service environment.
- Mixing requirement: Stir uniformly at room temperature before compounding with base oil or solvent oil to guarantee homogeneous film-forming and anti-corrosion performance.
- Compatibility test suggestion: Carry out small-scale compatibility & salt spray verification test in laboratory before mass production formulation.

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Storage & Handling Precautions

Storage Requirements

- Store in cool, dry, well-ventilated warehouse, avoid direct sunlight and high-temperature environment.
- Keep storage tank sealed when not fully used to prevent dust, moisture and foreign contaminants from entering.
- Shelf life: 12 months under original sealed packaging. Re-inspect performance if expired before use.

Operation Notes

- Keep away from open flame and high heat source during blending and transfer, match with fire prevention standards for petroleum products.
- Avoid long-term direct skin contact; wear rubber gloves for continuous operation. Refer to SDS for full safety operation instructions.

Packaging Specification

- Standard package: 200L metal drum (Net weight: ~190kg/drum)
- Bulk package: 1000L IBC tote tank available upon customer request.

Disclaimer

All technical data contained in this TDS are based on standard laboratory test conditions, provided for reference of formulation design and process matching only.

ROLITOM shall not be liable for any loss caused by improper formulation, wrong operation or unsuitable application environment beyond recommended scope.

Users shall verify product suitability through independent small trials before formal mass application.