

CMET® T747A is a dodecenylsuccinic acid half-ester type rust inhibitor with excellent rust prevention performance, low acid value, good fluidity, and good oil solubility. This product can form a protective film on the metal surface to prevent metal surface corrosion and rust, and form a dense oil film with the metal. It is an excellent rust inhibitor with excellent demulsification performance. It is widely used in the formulation of industrial lubricating oils and rust preventive oils such as turbine oil, machine tool oil, hydraulic oil and gear oil, and is particularly suitable for the formulation of turbine oil and hydraulic oil with lower acid value requirements.

CHEMICAL COMPOSITION

Dodecenylsuccinic acid hemiester

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow clear liquid	Visual inspections
Density at 20°C, g/cm ³	0.97	GB/T 1884-2000
Viscosity at 40°C, mm ² /s	1100.0	GB/T 265-1988
Flash point open cup, °C	≥130.0	GB/T 3536-2008
Acid number, mgKOH/g	160.0	GB/T 7304-2014
Solubility, %	Water < 0.01; Mineral oil > 5.00	-

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Excellent water resistance, suitable for water environment
- Good fluidity, low acid value
- Excellent demulsification

APPLICATION

- Turbine oil, hydraulic oil, air compressor oil
- Industrial gear oil, anti-rust oil
- Grease

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: Industrial lubricating oil: 0.03-0.05%
Anti-rust oil: 0.10-10.00%

RELATIVE PRODUCTS

- RC 4801, IRGACOR L12, T747

PACKAGING AND STORAGE

Packaging	50kg plastic drum or 200kg steel drum (Net weight)
Storage conditions	Store in a cool, dry, well-ventilated warehouse

HANDLING INFORMATION

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on **CMET®T747A**.

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