

CMET® T747B is a low-acid-value derivative of succinic acid, characterized by its special chemical structure which provides excellent rust prevention and outstanding demulsification properties. With a low acid value and good fluidity, this product has good oil solubility, allowing it to form a protective film on metal surfaces to prevent corrosion and rusting. It creates a dense oil film in conjunction with the metal, making it an effective rust inhibitor. It is widely used in formulating industrial lubricants and rust-preventive oils, such as turbine oils, compressor oils, hydraulic oils, and gear oils, and is particularly suitable for formulations requiring even lower acid values in turbine and hydraulic oils.

CHEMICAL COMPOSITION

Dodecenyl succinate

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Red-brown clear liquid	Visual inspection
Density at 20°C, g/cm ³	0.95	GB/T 1884-2000
Viscosity at 40°C, mm ² /s	2000.0	GB/T 265-1988
Flash point open cup, °C	≥130.0	GB/T 3536-2008
Acid number, mgKOH/g	50.0	GB/T 7304-2014
Solubility, %	Water < 0.01; Mineral oil > 5.00	-

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- All-ester rust inhibitor, a low-acid-value succinic acid derivative, offers excellent water resistance
- Superior anti-rust performance, and outstanding demulsibility

APPLICATION

- Turbine oil, air compressor oil, hydraulic 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: 0.03-0.20%
Anti-rust oil: 0.10-10.00%

RELATIVE PRODUCTS

- RC 4802

PACKAGING AND STORAGE

Packaging	50kg plastic drum or 180kg 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®T747B**.

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