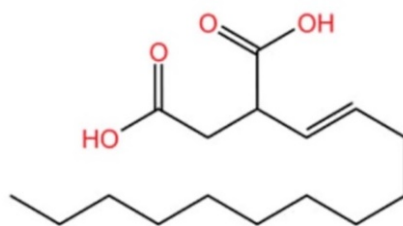


CMET® T746 is an oil-soluble, ashless rust inhibitor with a dodeceny succinic acid structure. It exhibits excellent oil solubility and forms a strong protective oil film on metal surfaces, providing comprehensive protection against rust and corrosion. As a high-performance rust preventive additive for oil products, it also offers certain protective effects for aluminum, copper, and their alloys, though its anti-rust performance is poor for lead and cast iron. It is often blended with other rust inhibitors to formulate rust-preventive sealing greases and in-process rust preventive oils. When combined with detergents and dispersants, it is used to prepare rust-inhibited lubricating oils for internal combustion engines and aviation engines. Additionally, it serves as a co-solvent for benzotriazole (BTA) and is used in formulating rust-inhibiting additive packages.

CHEMICAL COMPOSITION



Dodecylene succinic acid (T746)

CAS No.: 29658-97-7

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Light yellow to brown viscous liquid	Visual inspection
Density at 25°C, g/cm ³	0.95	GB/T 1884
Viscosity at 100°C, mm ² /s	117.0	GB/T 265
Flash point open cup, °C	160.0	GB/T 3536
Acid number, mgKOH/g	250.0	GB/T 264

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Good oil solubility, comprehensively protecting metals from corrosion and rust
- Stable acid value
- Good compatibility
- Low toxicity and low odor

APPLICATION

- Turbine oil
- Machine tool oil
- Hydraulic oil
- Hydraulic transmission oil
- Rust resistant grease

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.02-0.80%

RELATIVE PRODUCTS

- T746

PACKAGING AND STORAGE

Packaging	50kg/180kg plastic 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®T746**.

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