UNPCHEMICALS

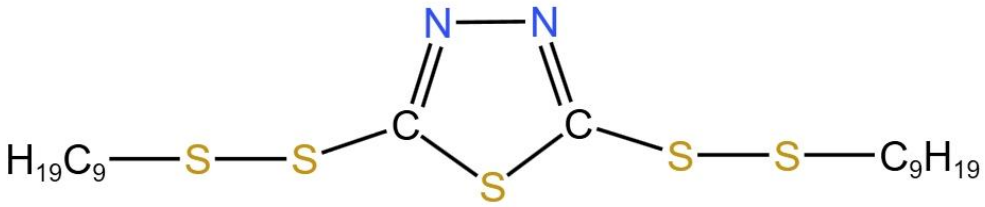
METAL DEACTIVATOR

CSAIL® THIADIAZOLE TYPE

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***CSAIL*® DMTD -9** is a liquid ashless metal deactivator with extreme pressure and oxidation resistance effects. It is widely used in various automotive and industrial lubricating oils and metalworking fluids. At very low concentration, it can effectively prevent the corrosion of active sulfur on copper and copper alloys.

CHEMICAL COMPOSITION



Thiadiazole tert-nonyl mercaptan condensate CAS No.: 91648-65-6

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow clear liquid	Visual inspection
Density at 20℃, g/cm^3	1.1	GB/T 1884
Viscosity at 100℃, mm^2/s	13.6	GB/T 265
Flash point open cup, ℃	175.0	GB/T 3536
Acid number, mgKOH/g	27.0	GB/T 7304
Sulfur content, %	35.0	SH/T 0303

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Low dosage, excellent oil solubility
- Light color and low odor
- Excellent inhibition of active sulfur corrosion
- Excellent anti-oxidation synergistic performance

APPLICATION

- Various automotive lubricating oils and grease
- Various industrial lubricating oils and grease
- Metal working fluids

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.1-0.5%;
  Grease: 1.0-2.5%

RELATIVE PRODUCTS

- CUVAN 484, HiTEC 4313, RC 8213

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 *CSAIL® DMTD-9*.

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