UNPCHEMICALS

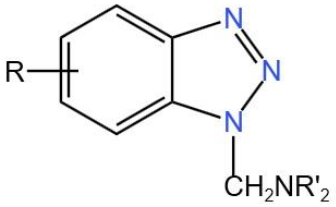
METAL DEACTIVATOR

***CSAIL*® TRIAZOLE TYPE**

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***CSAIL*® 3900** a methyl benzotriazole derivative, is a liquid oil soluble corrosion inhibitor and metal passivator, which is widely used in various lubricating oils and metal working fluids. As a corrosion inhibitor, it can effectively protect copper, copper alloys, cadmium, cobalt, silver and zinc. As a metal passivator, it can precipitate the metal ions, thus inhibiting the electrochemical corrosion of the metal surface and preventing these ions from oxidation catalysis.

CHEMICAL COMPOSITION



TTA derivatives CAS No.: 94270-86-7

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow transparent liquid	Visual inspection
Density at 20℃, g/cm^3	0.95	GB/T 1884
Viscosity at 40℃, mm^2/s	78.0	GB/T 265
Base number, mgKOH/g	137.6	SH/T 0251
Flash point open cup, ℃	171.0	GB/T 3536
Water content, %	0.04	GB/T 11133
Nitrogen content, %	14.1	NB/SH/T 0656

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Low dosage, excellent oil solubility
- Excellent synergistic effect with antioxidants
- High efficiency protection at low concentration

APPLICATION

- Various lubricating oils
- Greases

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 200-500ppm

RELATIVE PRODUCTS

- IRGAMET 39, CUVAN 303, RC 8239

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 *CSAIL®3900*.

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