

CSUM® 5202 is a completely water-soluble thiadiazole derivative, which has the advantages of low viscosity, good water solubility, good extreme pressure performance, etc. It can significantly improve the extreme pressure capacity of water-soluble metalworking fluid, especially suitable for fully synthetic metalworking fluid or low oil content semi synthetic metalworking fluid with harsh metalworking process.

CHEMICAL COMPOSITION

Thiadiazole derivatives CAS No.: 55906-42-8

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Yellow to reddish brown clear liquid	Visual inspection
Density at 20℃,g/cm ³	1.36	GB/T 1884
pH value, 1% aqueous solution	9.7	pH meter
Sulfur content, %	20.8	SH/T 0303

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- Low viscosity, completely water-soluble
- A certain slow-release property to copper although containing sulfur
- Water-based metal working products such as fully synthetic, low-oil semi-synthetic or coolant can be used, and the dosage is low
- Excellent oil solubility, the dissolution concentration can reach 30%, but it is insoluble in mineral oil and ester oil

APPLICATION

- Fully synthetic metalworking fluid (oil-free system)
- Semi-synthetic metalworking fluid (low oil system)
- A substitute for extreme pressure emulsion, especially suitable for wire drawing process

USAGE METHOD

- It is recommended to use with lubricant
- Recommended treat level: 3.0-15.0%
- Tank-side addition of metal working solutions: 0.2-0.5%

RELATIVE PRODUCTS

- RC 5202, VANCHEM NATD

PACKAGING AND STORAGE

Packaging	30kg/230kg plastic drum (Net weight)
Storage conditions	Store in a cool, dry, well-ventilated warehouse

HEADLING 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 **CSUM® 5202**.

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