

Metalworking Fluids

DA™ 4001

Corrosion Inhibitor Additive



Complex Organic Synthetic Corrosion Inhibitor

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Application

Polartech® DA™ 4001 is a secondary amine free, boron free, ferrous corrosion inhibitor, readily soluble in aqueous systems and easily incorporated into watermix fluid formulations.

Typical applications include:

- Semi synthetic watermix metalworking fluids
- Synthetic watermix cutting fluids
- High water based hydraulic fluids
- Synthetic cleaning fluids
- Post treatment of systems

Key Performance Benefits

Secondary amine free

Excellent ferrous corrosion inhibition

Ultra low foaming tendency

Compatible with hard water

Readily soluble in water, glycols and polyglycols

Fluid residue formation

Typical Characteristics

Appearance:	Pale Yellow Fluid
Specific Gravity at 20°C:	1.05
Total Alkalinity, % wt. KOH:	45
pH at 1%:	10.4
IP 287 Corrosion Test, %:	1.0

Storage

- Store inside warehouse, ideally between 10°C and 30°C
- Store out of direct sunlight
- Shelf life of 12 months from date of supply
- Avoid water collecting on barrel top

Regulatory Status

							
EINECS/ELINCS	TSCA	DSL/NDSL	NICNAS-AICS	ECL	METI-ENCS	PICCS	SEPA-IECSC
✓	×	×	×	✓	×	✓	✓

A full safety data sheet is available on request. Additional information including advice on suitable disposal methods is also available from the Afton Technical Department.