

CI-80 Corrosion Inhibitor Booster

CI-80 is a fully synthetic water-soluble corrosion inhibitor booster for use in aqueous coolant systems requiring increased corrosion protection. CI-80 is DEA-free and has a high pH to provide reserve alkalinity to the metalworking coolant.

Exceptional Corrosion Protection – CI-80 imparts excellent corrosion protection even with doses as small as 0.25%.

Leaves No Sticky or Gummy Residue – CI-80 will not build up on machine tools, calibration and testing instruments, or surrounding equipment and floors when added to a coolant sump.

Use Concentrations May Vary – The concentration of CI-80 can be adjusted from 0.1 to 0.5% for maximum economy, depending on the severity of the job.

Rapid Foam Collapse – Naturally low foaming under high agitation means the workpiece is always visible and coolant reservoirs will not overflow.

Oxidative, Biological and Hydrodynamic Stability – CI-80 will not break down even under the most severe operating conditions. CI-80 is biostatic and chemically stable.

Unaffected by Hard Water – CI-80 will not create scum or separate in water up to 600-ppm total hardness.

Low Misting – CI-80 resists misting in the most violent of washer applications and, therefore, will not increase misting.

Safe for Copper and Cobalt – CI-80 will not dissolve copper or cobalt from machine tool parts, metal bond wheels or coated diamonds. Most corrosion inhibitor boosters contain materials that attack copper in feed lines, causing a waste disposal problem.

Rejects Tramp Oils – CI-80 rejects tramp oils and will not emulsify oil.

Typical Properties

Color	Slightly Yellowish
Appearance	Clear
Volatile Component	Water
Freeze Point	32°F
Boiling Point	212°F
pH	10-10.3
Odor	Mild
Vapor Pressure	NA
Vapor Density	NA
Specific Gravity	1.09-1.1
VOC	None
Weight per Gallon	9-9.15 lbs
Solubility in Water	Infinite

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

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