

Supplier - SMART OIL

Smart Base RP3741H

Calcium Salt-Based Rust Preventive

Oil-Based Anti-Rust/Corr & Dewatering Pkgs

Typical Properties

Appearance	Deep Amber Liquid
Specific Gravity@25°C	0.950 - 1.100
Viscosity@40°C, cSt	150 - 300
Flash Point C.O.C., °C	>160

Product Description

SMART BASE RP3741H is a calcium salt-based, oil-soluble rust preventive additive incorporating a water-displacing agent. It forms a dense protective film on metal surfaces, effectively isolating moisture, oxygen, and corrosive substances, thereby preventing rust on ferrous metals such as steel and cast iron.

SMART BASE RP3741H exhibits excellent metal affinity, water displacement capability, and acid neutralization performance, making it particularly suitable for rust preventive oils used in high-humidity and acidic environments.

SMART BASE RP3741H is a high-performance, environmentally friendly additive, free of barium and heavy metals. It provides outstanding salt spray resistance, dispersancy, and extreme pressure (EP) performance, making it a versatile multifunctional additive.

SMART BASE RP3741H demonstrates high compatibility with various solvents, including gasoline, deodorized kerosene, and turpentine substitutes, enabling the formulation of rust preventive oils with adjustable evaporation rates, protection durations, and film characteristics (soft or hard films). No heating is required during blending.

SMART BASE RP3741H is especially suitable for automotive applications and components requiring marine transportation.

SMART BASE RP3741H is widely used in industrial oils such as lubricants, rust preventive oils, cutting fluids, hydraulic oils, gear oils, emulsifiable rust preventives, and metalworking fluids, as well as in coatings and related applications.

Applications

General Application

Suggested Treat Rates, %wt

3 - 30

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