

DESCRIPTION

The aim to use **SOOT REMOVER LIQUID** is to clean the soot layers at boilers (fire side) and exhaust systems. In normal conditions the ignition point of soot and ashes are around 600 C°. Since the heat in boilers and exhaust system is not so high soot and ash particles grow significantly. The soot layers formed over the heat exchangers prevents effective heat transfer and causes energy losses. This energy loss can be directly related to extra fuel consumption. **SOOT REMOVER LIQUID** which is water based and contains magnesium, drops the ignition point of soot and ash to 250 C°. The soot and ash deposit thus ignited, leaving an easily removed ash. The difference between **SOOT REMOVER POWDER** and **SOOT REMOVER LIQUID** is **SOOT REMOVER LIQUID** not only provides greater fuel efficiency, but also prevents acid formations in areas where severe corrosion could result in expensive damage like heat exchangers, super heaters, economizers, exhaust paths.

Product Name	: <u>SOOT REMOVER LIQUID</u>
Document No	: SP-KS-025
Chemical Name	: Chemical Mixture
Usage Area	: Boilers and Diesel Engine Exhaust systems

A. ORGANIC PROPERTIES

Appearance

Physical Status (20°C): Liquid

Color : Yellow Amber

Odor : Mild

B. PHYSICAL PROPERTIES

pH (in conc) : 5,0

Molecular Weight : -

Flash Point : >100 °C

Density : 1.30 – 1.40 gram / cm³

APPLICATION, FEATURES & BENEFITS

- ✓ Non-hazardous liquid which reduces slugging
- ✓ Effect in controlling Acid corrosion and High temperature corrosion
- ✓ Cleans soot and ash deposits.
- ✓ Prevents from soot fires
- ✓ By cleaning soot from steel surfaces, it prevents metal from corrosion and wear off

- ✓ By cleaning the soot over heat exchangers, heat transfer is made more effectively and fuel oil consumption minimizes.
- ✓ It reduces the ignition point of soot and carbon deposits, so soot and carbon deposits easily burn and leaves ash, which can be removed easily.
- ✓ Minimizes the maintenance cost.

STORAGE INFORMATION

Store at moderate temperatures. Packing: 25-30 L sealed pail. Storage Period: 3 years.

DIRECTIONS FOR USE/ APPLICATION RATES AND DOSAGE RATES

Boilers: Depending too many factors like design and operation characteristics of the boiler, the contamination degree, dosage of SOOT REMOVER LIQUID may change but generally we suggest to use 1 L to 5-6 m³ fuel-oil used / day. SOOT REMOVER LIQUID must be spread through the flame path towards the back of the combustion chamber so apply SOOT REMOVER LIQUID from a suitable port point, preferably with an injector.

Diesel Engines: Advised dosing is 1-2 L for 10 m³ fuel. Inject soot Remover directly in to the exhaust system, upstream of the area to be treated. In other words inject SOOT REMOVER LIQUID in front of the area you want to clean. The gas flow in the exhaust system will take SOOT REMOVER LIQUID to the contaminated area.