



ParaFlow Energy Solutions, LLC

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## ParaFlow® HE-508MM

### Generic Description

Product Name: **ParaFlow HE-508MM**

Application: Paraffin Modifier

### General Information

**ParaFlow HE-508MM** is the culmination of years of innovative product development of a delivery system for traditional proven chemistry deployed in a non-traditional application.

**ParaFlow HE-508MM** is a patented non-aqueous and hydrocarbon solvent free composition applying chemistry commonly used to convert crystalline paraffin to amorphous paraffin for floor wax emulsions to applications of paraffin inhibition in crude oil production, transport, and storage.

While **ParaFlow HE-508MM** has demonstrated efficacy as a neat additive, it is often more cost effectively utilized as a component in formulated paraffin treatment packages boosting performance of traditional chemistries deployed in such applications.

- Converts crystalline paraffin to an amorphous form
- Lifts hydrocarbon off sediment during tank bottoms and slop oil recovery processes and facilitates the migration of paraffin back into the source crude
- Demonstrates efficacy to maintain crude oil flow in narrow diameter closed loop simulation apparatus while temperature is reduced below the crude oil cloud point
- Has the potential to dramatically lower the B.S.& W. of crude oil.
- Often used with ParaFlow HE-1507A in demulsification processes

Depending on the application, use levels from 0.001% (10 PPM) to 0.5% (5000 PPM) are recommended.

### Typical Properties

Appearance:	Clear pale yellow liquid
Density g/ml at 25°C:	0.960 (8.011 lbs/US gal)
Actives %:	>99%
Flash Point:	>200°C (>392°F)
Pour Point:	-15°C (5°F)
Shelf Life:	2 years minimum

### Storage Handling

**ParaFlow HE-508MM** should be stored in a cool, dry place in closed containers.

### Packaging

**ParaFlow HE-508MM** is available in bulk, closed head lined steel drums filled to a net weight of 441 lbs (200kg), and poly totes filled to a net weight of 2,205 lbs (1000 kg).

### Patents

**ParaFlow HE-508MM** is covered under existing and pending U.S. and International patents.

### Shipping/Regulatory

**ParaFlow HE-508MM** is considered non-hazardous and is not subject to the Canadian SNAc regulations.

### Additional Information

A GHS compliant Safety Data Sheet is available upon request. Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study & the works of others. The manufacturer makes no warranties, express or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the user or its employees, or anyone for any direct, special or consequential damages arising out of the use of or in connection with the accuracy, completeness, adequacy or furnishing or such information. Rev. 6/2017