



E2SE Chemical Product

Please find hereunder our new range of specific chemicals product **for oil and water treatment**. We recommend the following demulsifiers and cleaning products for you.

Demulsifiers

1. E2SE HC672

E2SE HC672 destabilizes water-in-oil emulsions and is used in separation processes in the oil industries. It is especially well equipped to treat cutting-oil concentrates and ship-slops.

It is a stable material which can be injected directly from the drum. Alternatively, sometimes optimal mixing can be achieved by pre-diluting the chemical with a suitable aromatic solvent. The optimum dosage, temperature, extent of mixing and settling time should be determined for cost effective operation.

2. E2SE HC591

Like E2SE HC672, E2SE HC591 demulsifies water-in-oil emulsions and finds usage in separation processes in the oil industries. Also, it is well equipped to treat cutting-oil concentrates and ship-slops.

Due to its stability, it can be injected directly from the drum. Sometimes, this chemical can be pre-diluted with a suitable aromatic solvent to achieve optimal mixing. The optimum dosage, temperature, extent of mixing and settling time should be determined for cost effective operation.

3. E2SE HC311

E2SE HC311 destabilizes water-in-oil emulsions and is used in separation processes in the waste oil industries. It is especially well equipped to treat waste lube oils in the mechanical centrifugation process. This demulsifier is however also very often used in other (settling-)applications, like destabilizing cutting oil emulsions concentrates, de-watering oil-based drilling muds and slop-treatment. It is injected directly from the drum like the demulsifiers mentioned above.

4. E2SE HC501

E2SE HC501 is used in the oil industries for separation processes due to its demulsifying capability. Like E2SE HC311, it is also well equipped to treat waste lube oils in the mechanical centrifugation process. It finds use in other (settling-)applications, such as cutting oil concentrates demulsification, de-watering oil-based drilling muds and slop-treatment.

5. E2SE HC026

E2SE HC026 is utilized in the oil industries for separation processes. This is attributed to its ability to destabilize water-in-oil emulsions. Closely akin to E2SE HC311 and HC501, this product is also especially well-equipped to treat waste lube oils in the mechanical centrifugation process. Furthermore, this product is suited for treatment of other (settling-) applications, like destabilizing cutting oil emulsion concentrates, de-watering oil-based drilling muds and slop-treatment.



6. E2SE HC062

E2SE HC062 is used in areas akin to E2SE HC311, HC501 and HC026. It is a stable material that can be injected directly from the drum. Sometimes, optimal mixing can be achieved by pre-diluting the chemical with a suitable aromatic solvent. The optimum dosage, temperature, extent of mixing and settling time should be determined for cost effective operation.

7. E2SE HC032

E2SE HC032 is especially well equipped to treat a wide range of emulsions containing oil, water and sediment particles as slop oil-emulsions, waste lube oil emulsions but also cutting-oil concentrates. It finds application in areas akin to the other E2SE demulsifiers. Moreover, it has proven itself to work extremely well in an acidic environment.

Dosage of the above products

It always depend on the sample.

When we test a new sample we start most of the time with a dosage of 2000 ppm.

Most samples with a lot of water you can go lower on dosage.

All demulsifiers have the same start point, depending what results they give we select one to try with lower dosage (or sometimes higher).

Depending on the type of oil we can tell that our experience with the dosage of our products in combination with centrifuges is around 300/600 ppm.

Cleaners

1. E2SE N005

E2SE N005 is a concentrated blend of nonionic, **biodegradable**, and alkaline surfactants in water, formulated for the use as a foaming liquid cleaning agent. The E2SE N005 is also a very powerful oil dispersant very well suited for use on open sea because of its readily biodegradable active material.

This product has been developed as a cleaning agent for greased and with oil contaminated surfaces (like metals but also floors etc.) and has very strong emulsifying properties.

2. E2SE N532

E2SE N532 is a blend of nonionic surfactants in a hydrocarbon solvent formulated for use especially in the oil related industries. The concentrated product works as a "softener" on hydrocarbon pollution and has strong emulsifying effects in contact with water. Therefore, it enables the oil-fractions to disperse in the water-phase.

3. E2SE N162

E2SE N162 is a heavy-duty cleaner similar in properties to E2SE N532. It has excellent degreasing properties and a pleasant odour. For cleaning purposes, the E2SE N162 is applied by brushing or spraying on the greasy and contaminated objects, which are then washed off with water after 5-15 minutes. On contact with water, a rapid emulsification of oil and grease will take place due to the action of the E2SE N162.