

RECOLAS 147

C14-C17 linear alkylbenzene sodium sulfonate

IDENTIFICATION

CAS number: 68953-95-7

EC number: 273-233-0

DESCRIPTION

RECOLAS 147 is a surfactant for Enhanced oil recovery (EOR) produced and commercialized by Cepsa. It is a C14-C17 linear alkylbenzene sodium sulfonate and it is designed to achieve an ultra-low interfacial tension (IFT) in ASP and SP methods being accompanied by co-surfactants or co-solvents in formulations.

APPLICATION

EOR or tertiary recovery encompasses several techniques to extract more crude oil from reservoirs in comparison with conventional techniques. Primary and secondary oil recoveries can usually achieve one third of the reservoir's total as long as the other two thirds remain behind. Only through the use of EOR techniques can large quantities of that remaining crude oil be recovered. Surfactants improves the displacement efficiency to encourage the flow of oil trapped in the rock through the reduction of the interfacial tension between water and oil.

TYPICAL PROPERTIES

Property	Unit	Value
Active matter	% (w)	20-40
Molecular weight (MW)	g/mol	384-394
pH	-	7-11
Salinity oil field	-	Low/Medium

STANDARD PACKAGING

Available in, drum, IBC, ISO and bulk.

STORAGE AND HANDLING

RECOLAS 147 is pumpable and pourable at 25°C though heating is suggested for handling and tank storage. Alkyl aryl sulphonates are well known for their thermal stability and durability.

HEALTH AND SAFETY

RECOLAS 147 complies with health, safety and environmental regulations with regards to the manufacture, commercialization, transport, storage and end use in the field for EOR activities. RECO surfactants are registered under REACH regulation in accordance with the PPORD exemption as substances intended to be used for Product and Process Orientated Research and Development).



Cepsa chemicals for Enhanced Oil Recovery

For more info, please contact us:techsupport@cepsa.com

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