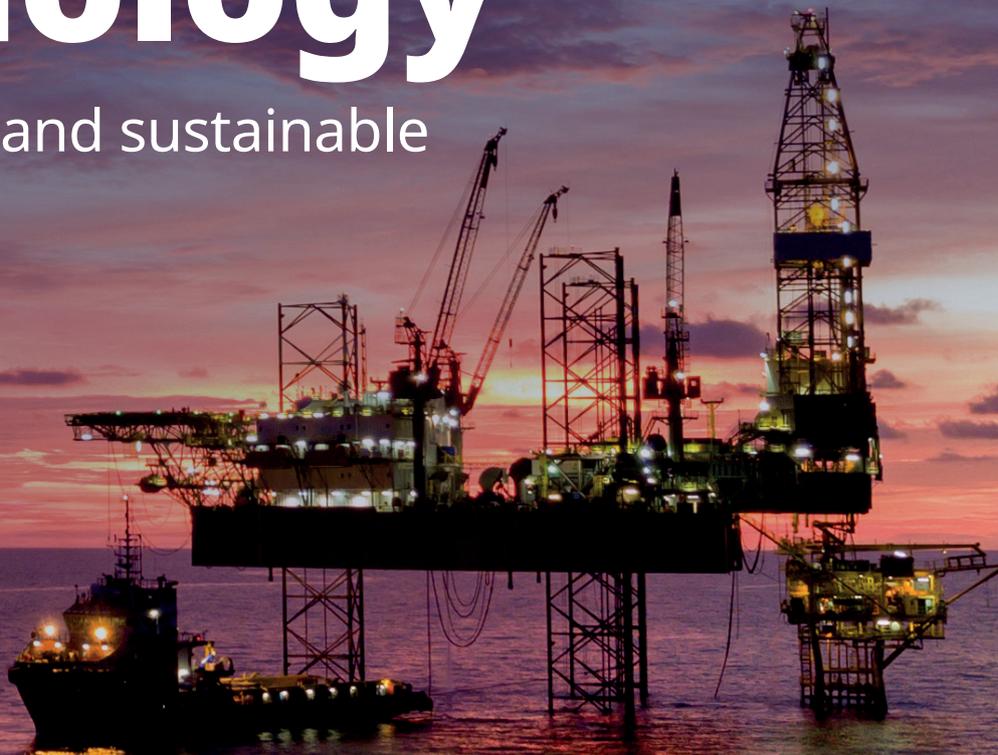




ENERGY & RESOURCES

# Oilfield Technology

Delivering proven and sustainable  
oilfield solutions.



**INDORAMA**  
VENTURES

Indispensable Chemistry





Indorama Ventures: **Indovinya** is committed to advancing the **Oilfield Technology (OFT)** industry by offering a robust portfolio of high-performance chemicals that address the challenges faced in onshore and offshore operations. By collaborating closely with service companies, universities, and research institutions, Indorama Ventures ensures the development of cleaner, more efficient technologies that meet the specific needs of its clients across the entire supply chain.

The company's dedication to innovation is reflected in its diverse product offerings, which include **lubricants, degreasers, stimulation additives & solvents, emulsion preventers, corrosion inhibitors, demulsifying bases, emulsifying agents, and hydraulic fracturing additives**. These solutions are designed to operate under high temperature and pressure conditions, enhancing performance and optimizing productivity in drilling and completions, stimulation, and production optimization.

Indorama Ventures' technological platforms not only drive the creation of precision chemistry tailored for the oilfield technology sector but also prioritize minimizing socio-environmental impacts. With a deep understanding of industry demands and a commitment to operational excellence, the company delivers agile, high-performance solutions that ensure timely delivery and enhanced competitiveness for its clients.



## Drilling & Completions



## Stimulation & EOR



## Production Optimization



# Drilling & Completions

SOLUTION	DESCRIPTION	FEATURES AND BENEFITS
<b>BASE OIL</b>		
<b>ULTROIL® OE 040</b>	Aromatic-free hydrocarbon based oil	Group IV base oil for drilling fluids
<b>CLEANING AGENTS</b>		
<b>ULTROIL® WBL</b>	Nonionic formulation	Casing cleaner for general spacer and flush applications
<b>ULTROIL® WM 1001</b>	Aromatic-free formulation	High performance casing cleaner for spacer and flush applications
<b>SURFONIC® VBS-D10</b>	Specialty blends	Biodegradable, non-toxic cleaning and completion solutions
<b>SURFONIC® OFE Series</b>	Ethoxylated fatty amine/amide	Provide superior emulsification and stability, enhancing cleaning efficiency and performance
<b>EMULSIFIERS</b>		
<b>SURFONIC® N Series</b>	Ethoxylated nonylphenol	Improve fluid stability
<b>SURFONIC® OFE Series</b>	Ethoxylated fatty amine/amide	Emulsifiers for oil-based muds
<b>SURFONIC® MW Series</b>	Specialty blends	Emulsifier for vegetable-based muds
<b>ALKOSYNT® ID Series</b>	Ethoxylated synthetic alcohol	Emulsifiers for oil-based muds
<b>DEFOAMER</b>		
<b>SURFONIC® LF Series</b>	Alkoxylated alcohol	Foam control for drilling fluids
<b>SURFONIC® POA Series</b> <b>ULTRARIC® PE Series</b>	EO/PO Copolymer	Foam control for drilling fluids
<b>LUBRICANTS</b>		
<b>ULTRAFLUID® LB P10</b>	Fatty acid-based formulation	High performance lubricant for directional drilling
<b>ULTRAFLUID® LB G10</b>	Fatty acid-based formulation	Lubricant for water-based mud with triazine
<b>ULTROIL® LB 8400</b>	Nonionic lubricants	Onshore Lubricant for water-based drilling fluids
<b>NON-EMULSIFIERS FOR COMPLETION BRINES</b>		
<b>ULTRAWET® 70</b>	BTEX-free nonionic formulation	High performance non-emulsifier for monovalent brines
<b>ULTRAWET® 80</b>	BTEX-free nonionic formulation	High performance non-emulsifier for monovalent and divalent brines
<b>ULTRAWET® 110</b>	BTEX/NPE-free nonionic formulation	High performance non-emulsifier for monovalent and divalent brines

SOLUTION	DESCRIPTION	FEATURES AND BENEFITS
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**SHALE CONTROL**

<b>ULTROIL® SC 159</b>	Polyglycols	Shale Inhibition
<b>SURFONIC® OFS 500</b>	Polyglycols	Shale Inhibition
<b>SURFONIC® OFS 600</b>	Polyglycols	Shale Inhibition
<b>SURFONIC® L4 Series</b>	Ethoxylated butanol	Cloud point modifier

**WETTING AGENTS**

<b>SURFONIC® N Series</b>	Ethoxylated nonylphenol	Wettability modifier
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**FORMULATION ADDITIVES**

<b>ALKONAT® L Series</b> <b>SURFONIC® L24 Series</b>	Alkoxylated natural alcohol	Natural-based emulsifier, wetting agent, and surface tension reducer for various formulations
<b>ALKOSYNT® Series</b>	Ethoxylated synthetic alcohol	NPE-free emulsifier, wetting agent and surface tension reducer for various formulations
<b>SURFONIC® N Series</b> <b>ULTRANEX® NP Series</b>	Ethoxylated nonylphenol	Emulsifier, wetting agent and surface tension reducer for various formulations
<b>ALKEST® CSO Series</b>	Ethoxylated castor oil	Natural-based emulsifier, wetting agent and surface tension reducer for various formulations
<b>ALKEST® SP Series</b>	Sorbitan esters	Natural-based emulsifier, wetting agent and surface tension reducer for various formulations
<b>ALKEST® TW Series</b>	Ethoxylated sorbitan ester	Natural-based emulsifier, wetting agent and surface tension reducer for various formulations
<b>SURFONIC® POA L Series</b> <b>ULTRARIC® PE Series</b>	EO/PO Copolymer	Anti-foaming agent



# Stimulation & EOR

SOLUTION	DESCRIPTION	FEATURES AND BENEFITS
<b>ANTI-SLUDGE AGENT</b>		
<b>LAVREX® Series</b> <b>XOF-22A</b>	Linear alkylbenzene sulfonic acid	Anti-sludge agent and stimulation performance enhancer for alphaltenic/paraffinic crudes
<b>FLOWBACK AIDS</b>		
<b>ULTRAFRAC® FB Series</b> <b>ULTRAFRAC® FS Series</b>	Specialty blends	Flowback aid solutions for fracturing and acidizing fluids
<b>ALKONAT® L Series</b> <b>SURFONIC® L24 Series</b>	Alkoxyated natural alcohol	Wettability modifier/Surface tension reducer for fracturing and acidizing fluids
<b>ALKOSYNT® ID / IT Series</b>	Ethoxylated synthetic alcohol	Surface tension reducer for fracturing and acidizing fluids
<b>ULTRAMINA® TA Series</b>	Alkoxyated tallow amines	Surface tension reducer for fracturing and acidizing fluids
<b>FRICITION REDUCER ADDITIVES</b>		
<b>ALKEST® SP Series</b>	Sorbitan ester	High performance surfactants for emulsion polymerization
<b>ALKEST® TW Series</b>	Ethoxylated sorbitan ester	High performance surfactants for emulsion polymerization
<b>ALKEST® CSO Series</b>	Ethoxylated castor oil	High performance surfactants for emulsion polymerization
<b>ALKONAT® L Series</b> <b>SURFONIC® L24 Series</b>	Alkoxyated natural alcohol	High performance surfactants for emulsion polymerization
<b>ALKOSYNT® IT Series</b> <b>SURFONIC® TDA Series</b>	Ethoxylated synthetic alcohol	High performance surfactants for emulsion polymerization
<b>VISCOELASTIC SURFACTANT</b>		
<b>ULTRACK® VS G10</b>	Zwitterionic	Viscoelastic surfactant for stimulation in high temperature conditions
<b>ULTRACK® VS 300 HT</b>	Zwitterionic	Viscoelastic surfactant for stimulation in high temperature conditions
<b>MUTUAL SOLVENT</b>		
<b>EBMEG</b>	Butylglycol	Mutual solvent to treat the reservoir wettability and enhance fluid compatibility
<b>SURFONIC® L4 Series</b>	Alkoxyated butanol	Mutual solvent to treat the reservoir wettability and enhance fluid compatibility
<b>NON-EMULSIFIER SOLUTIONS</b>		
<b>ULTRAWET® 70</b>	BTEX-free nonionic formulation	High performance non-emulsifier for monovalent brines and HCl fluids
<b>ULTRAWET® 80</b>	BTEX-free nonionic formulation	High performance non-emulsifier for monovalent and divalent brines, HCl fluids, and paraffinic crude oils
<b>ULTRAWET® 110</b>	BTEX/NPE-free nonionic formulation	High performance non-emulsifier for divalent brines, broken gels, and HCl fluids
<b>ULTROIL® CO 1010</b>	Alkoxyated nonionic resin	High performance additive of non-emulsifier formulations for fracturing and acidizing fluids
<b>ALKEST® CSO Series</b>	Ethoxylated castor oil	Additive of non-emulsifier formulations for fracturing and acidizing fluids
<b>SURFONIC® POA Series</b> <b>ULTRARIC® PE Series</b>	EO/PO Copolymer	Additive of non-emulsifier formulations for fracturing and acidizing fluids

# Production Optimization

SOLUTION	DESCRIPTION	FEATURES AND BENEFITS
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## DEMULSIFIERS

<b>ULTROIL® EB 1020</b>	Alkylphenol alkoxyate resins	Improve water droplet coalescence
<b>ULTROIL® EB 1030</b>	Alkylphenol alkoxyate resins	Improve water droplet coalescence
<b>ULTROIL® EB 1040</b>	Alkylphenol alkoxyate resins	Improve water droplet coalescence
<b>ULTROIL® EB 1055</b>	Alkylphenol alkoxyate resins	Improve water droplet coalescence
<b>KEMELIX® 3501X</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® 3627X</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® 3678X</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® 3750X</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® D309</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® D310</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® D311</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>KEMELIX® D322</b>	Alkoxyated Resin	Improve water droplet coalescence
<b>ULTROIL® EB 6010</b>	Proprietary formulation	Multifunctional demulsifier
<b>SURFONIC® OFD 150</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>SURFONIC® OFD 301</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>SURFONIC® OFD 302</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® 3216X</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® 3422X</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® 3515X</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® 3551X</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D510</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D513</b>	Alkoxyated polyamines	Enhance interface quality, break secondary emulsions
<b>SURFONIC® OFD 101</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>SURFONIC® OFD 328</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>SURFONIC® OFD 335</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>SURFONIC® POA-17R2</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>ULTROIL® EB 2010</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>ULTROIL® EB 2020</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>ULTROIL® EB 2030</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>ULTROIL® EB 3010</b>	EO/PO Copolymer	Boost the water quality and the speed of water drop
<b>ULTROIL® EB 3020</b>	EO/PO Copolymer	Boost the water quality and the speed of water drop
<b>ULTROIL® EB 4050</b>	EO/PO Copolymer	Induces flocculation of fine emulsion droplets
<b>KEMELIX® D104</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D317</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D400</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D501</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D503</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D506</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions
<b>KEMELIX® D511</b>	EO/PO Copolymer	Enhance interface quality, break secondary emulsions

## PRIMARY CORROSION INHIBITOR

<b>SURFONIC® OFC 100</b>	Imidazoline	Film-forming corrosion inhibitor for sour (H <sub>2</sub> S) and sweet (CO <sub>2</sub> ) streams
<b>SURFONIC® OFC 103</b>	Ethoxylated imidazoline	Film-forming corrosion inhibitor for sour (H <sub>2</sub> S) and sweet (CO <sub>2</sub> ) streams

SOLUTION	DESCRIPTION	FEATURES AND BENEFITS
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### SECONDARY CORROSION INHIBITOR

<b>ULTROIL® CI 1020</b>	Ethoxylated cocoamine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 1050</b>	Ethoxylated cocoamine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2020</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2050</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2080</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2100</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2120</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2150</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 2200</b>	Ethoxylated tallow amine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 3050</b>	Alkoxyated tallow diamine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 3055</b>	Alkoxyated tallow diamine	Oil soluble film-forming corrosion inhibitor booster
<b>ULTROIL® CI 3100</b>	Alkoxyated tallow diamine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 3150</b>	Alkoxyated tallow diamine	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 5040</b>	Phosphate ester	Film-forming corrosion inhibitor booster
<b>ULTROIL® CI 5095</b>	Phosphate ester	Film-forming corrosion inhibitor booster

### SPECIALIZED SOLVENTS

<b>SURFONIC® L Series</b>	Alkoxyated alcohol	Formulation aid with excellent solubility and detergency properties
<b>ULTROIL® HFS 135</b>	Aromatic-free organic solvent	Water soluble and non-flammable solvent

### DEFOAMERS

<b>SURFONIC® POA Series</b> <b>ULTRARIC® PE Series</b>	EO/PO Copolymer	Foam control for produced fluids
<b>ULTRARIC® LF Series</b>	Alkoxyated alcohol	Foam control for produced fluids

### LIQUID FOAMERS

<b>ALKOPON® Series</b>	Sodium lauryl sulfates	General foamer for gas-lift operations
<b>ULTROIL® FW 2050</b>	Lauryl Sultaine	High performance foamers for high pH and temperature conditions

### HYDRATE INHIBITOR

<b>MEG</b>	Monoethylene glycol	Kinetic Hydrate Inhibitor
<b>SURFONIC® OFH Series</b>	Proprietary Formulation	Kinetic Hydrate Inhibitor

### PARAFFIN CONTROL

<b>SURFONIC® OFP Series</b>	Copolymers	Pour point depressants for waxy crude oil
<b>ULTRAMINA® TA Series</b>	Ethoxylated tallow amine	Paraffin control booster
<b>FLWSOLVE® Series</b>	Polymeric dispersants	Decrease viscosity of heavy crudes and asphaltene dispersant

### ASPHALTENE CONTROL

<b>SURFONIC® OFA Series</b>	Copolymers	Decrease viscosity of heavy crudes and asphaltene dispersant
<b>FLWSOLVE® Series</b>	Polymeric dispersants	Decrease viscosity of heavy crudes and asphaltene dispersant



**DISCLAIMER**

This information is provided in good faith, based on Indorama Ventures current knowledge of the subject and is purely indicative. No information, including suggestions for using the products, should preclude experimental testing and verification, which are essential to ensuring the suitability of the products for each specific application. Consult the contact from your region or country regarding the availability of each product. All users must also respect local laws and obtain all the necessary permits. When handling the product, consult the safety data sheet. If you have any questions or additional needs, please contact Indorama Ventures through our customer service channels. January/25.