



Oil & Gas

ROMAX™ WATER CLARIFIERS



DRIVING GREATER EFFICIENCIES IN OIL/WATER SEPARATION

Raising the Bar in Oil/Water Separation

Tightening environmental regulations and the limited supply of fresh water are driving the oil and gas industry to seek new solutions for reducing oil in water prior to discharge and to employ reuse schemes in water-intensive activities such as boilers and direct injection for enhanced oil recovery processes. ROMAX™ Water Clarifiers from Dow provide a valuable solution for separating oil from produced water and reverse (oil-in-water) emulsions, helping to protect both the environment and production equipment.

Building on the Basics

Dow offers water clarifier solutions to meet a wide variety of final formulation needs. To custom-design your own clarifier formulation, we offer the ROMAX™ 7000 series of bases. We also offer fully formulated products based on these well-established anionic bases. The ROMAX 6000 series of anionic, cationic and nonionic water clarifiers are fully formulated and ready to use as soon as they arrive at the field. And for colder climates, our ROMAX 9000 series of water clarifiers are freeze-stabilized formulations for use at temperatures as low as -40 °F (-40 °C).

Dow offers a full range of water clarification solutions depending on your operational needs.

ROMAX™ 7000 Series Base for Formulating	ROMAX™ 6000 Series Fit for Use	ROMAX™ 9000 Series Freeze Stable/Fit for Use
ROMAX™ 668	ROMAX™ 6668	ROMAX™ 9668
ROMAX™ 7000	ROMAX™ 6000	ROMAX™ 9000
ROMAX™ 7001	ROMAX™ 6001	ROMAX™ 9001
ROMAX™ 7005	ROMAX™ 6005	ROMAX™ 9005
ROMAX™ 7020	ROMAX™ 6020	ROMAX™ 9020
ROMAX™ 7023	ROMAX™ 6023	ROMAX™ 9023
ROMAX™ 7030	ROMAX™ 6030	ROMAX™ 9030
ROMAX™ 7035	ROMAX™ 6035	ROMAX™ 9035
ROMAX™ 7080	ROMAX™ 6080	ROMAX™ 9080
ROMAX™ 7082	ROMAX™ 6082	ROMAX™ 9082
ROMAX™ 7100	ROMAX™ 6100	ROMAX™ 9100
	ROMAX™ 6610	ROMAX™ 9610
	ROMAX™ 6620	ROMAX™ 9620
	ROMAX™ 6630	ROMAX™ 9630
	ROMAX™ 6640	ROMAX™ 9640
	ROMAX™ 6650	ROMAX™ 9650
	ROMAX™ 6660	ROMAX™ 9660

Ensure Compliance, Save Money

Re-injecting even small quantities of oil back into the environment through produced water can quickly add up, negatively impacting your bottom line and raising a red flag to environmental regulators. Globally, oil and grease specs on discharged water have been established to ensure the amount of oil in water is at a safe level for disposal or reuse. Specifications vary from country to country in a range of more than 15-50 ppm.

When the goal is reuse rather than discharge, ROMAX™ products help ensure that oil levels are low enough such that the water can be confidently reused and integrated back into the system. With dosage rates of 1-20 ppm of ROMAX products, it is possible to reduce residual oil-in-water from more than 1,000 ppm to below 20 ppm.

Aqueous-Based Chemistry Enables Field-Ready Formulations

Dow's application expertise has allowed us to develop fully formulated ROMAX™ Water Clarifiers. Conventional products use a hydrocarbon-based solvent that requires a laborious inversion process to remove the water clarifier from the hydrocarbon prior to dosing. But our aqueous-based products require no such inversion, meaning that they are ready to use upon arrival and can be dosed immediately.

ROMAX™ 7000 SERIES

Water clarifier bases with a proven history of boosting water clarification

Product Name	% Active	Emulsion Type	Supplied Viscosity	Carrier Fluid	Product Description	Use
ROMAX™ 668	14	Nonionic	550	Water/Polyol	Hydrophobically modified nonionic emulsion polymer	Nonionic water clarifier used for oil and gas produced water clarification and reverse emulsion breaking
ROMAX™ 7000	18	Anionic	38	Water	Crosslinked anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water
ROMAX™ 7001	20	Anionic	20	Water	Hydrophobically modified anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water
ROMAX™ 7005	28	Anionic	<150	Water	Hydrophobically modified crosslinked anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water clarification and reverse emulsion breaking
ROMAX™ 7020	30	Anionic	15	Water	Hydrophobically modified anionic emulsion polymer	Anionic water clarifier for oil and gas produced water
ROMAX™ 7023	30	Anionic	30	Water	Hydrophobically modified anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water
ROMAX™ 7030	28	Anionic	10	Water	Crosslinked anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water
ROMAX™ 7035	29	Anionic	<150	Water	Hydrophobically modified anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water clarification and reverse emulsion breaking
ROMAX™ 7080	35	Nonionic	11,000	Water	Hydrophobically modified nonionic emulsion polymer	Nonionic water clarifier used for oil and gas produced water
ROMAX™ 7082	18	Nonionic	5,000	Water	Hydrophobically modified nonionic emulsion polymer	Nonionic water clarifier used for oil and gas produced water
ROMAX™ 7100	18	Anionic	50	Water	Non-crosslinked anionic emulsion polymer	Anionic water clarifier used for oil and gas produced water

ROMAX™ 6000 SERIES

The complete line of formulated, shear-stabilized, ready-to-use water clarifiers

Product Name	Type	% Active	Charge Density, %
ROMAX™ 6668	Nonionic	40	0
ROMAX™ 6000	Anionic	18	68
ROMAX™ 6001	Anionic	5	32
ROMAX™ 6005	Anionic	11	42
ROMAX™ 6020	Anionic	15	48
ROMAX™ 6023	Anionic	15	51
ROMAX™ 6030	Anionic	14	44
ROMAX™ 6035	Anionic	29	41
ROMAX™ 6080	Nonionic	11	0
ROMAX™ 6082	Nonionic	9	0
ROMAX™ 6100	Anionic	18	68
ROMAX™ 6610	Cationic	2	40
ROMAX™ 6620	Nonionic	2	0
ROMAX™ 6630	Cationic	1	43
ROMAX™ 6640	Nonionic	1	0
ROMAX™ 6650	Nonionic	1	0
ROMAX™ 6660	Nonionic	48	0

ROMAX™ 9000 SERIES

The complete line of freeze-protected products for use in cold climates

Product Name	Type	% Active	Charge Density, %
ROMAX™ 9668	Nonionic	15.4	0
ROMAX™ 9000	Anionic	4.5	68
ROMAX™ 9001	Anionic	8.0	32
ROMAX™ 9005	Anionic	8.4	42
ROMAX™ 9020	Anionic	9.0	48
ROMAX™ 9023	Anionic	10.5	51
ROMAX™ 9030	Anionic	8.4	44
ROMAX™ 9035	Anionic	14.3	41
ROMAX™ 9080	Nonionic	8.1	0
ROMAX™ 9082	Nonionic	3.2	0
ROMAX™ 9100	Anionic	3.6	68
ROMAX™ 9610	Cationic	1.0	40
ROMAX™ 9620	Nonionic	0.4	0
ROMAX™ 9630	Cationic	0.5	43
ROMAX™ 9640	Nonionic	1.0	0
ROMAX™ 9650	Nonionic	0.4	0
ROMAX™ 9660	Nonionic	31.2	0

Product Safety

When considering the use of any Dow products in a particular application, you should review the latest Material Safety Data Sheets from Dow and ensure that they are intended for safe use. For other products mentioned in the text, you should obtain the current Material Safety Data Sheet and other available product safety information when reviewing and take necessary steps to ensure safety of use before handling.

No chemical should be used as or in a food, drug, medical device or cosmetic, or in a product or process in which it may contact a food, drug, medical device or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Dow requests that the customer read, understand and comply with the information contained in this publication and the current Material Safety Data Sheet(s). The customer should furnish the information in this publication to its employees, contractors and customers, or any other users of the product(s), and request that they do the same.





TO LEARN MORE...

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**Toll-free service not available in all countries.*



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For more information, visit www.dowoilandgas.com.

Note: This guide is designed as a general product overview. Please contact your local Dow Oil & Gas representative for up-to-date, detailed technical information including registrations and use limitations and to discuss individual applications or requirements.

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