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**Chemistries**  
for Industrial  
and Marine

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GENERAL PRODUCT USERS GUIDE

PRODUCT NAME	Product To Clean								PRODUCT TYPE	DILUTE WITH...
	DRILLING MUDS (Oil-Based)	LIGHT OILS	FUEL OIL	CRUDE OIL	TANK BOTTOMS	ASPHALT AND HEAVY HYDROCARBONS	LIGHT SLOPS	HEAVY OIL SLOPS		
ORB101SC	*	*	*	*	*	*	0.1%-0.5%	0.1%-0.5%	Water Based MicroEmulsion	Fresh Water (Best) Sea Water
ORB102C	2%-5%	2%-5%	*	*	*	*	*	*	Water Based MicroEmulsion	Sea Water (Best) Fresh Water
ORB102SC	0.5%-5%	0.5%-5%	*	*	*	*	*	*	Water Based MicroEmulsion	Sea Water (Best) Fresh Water
ORB102D	0% Ready To Use	0% Ready To Use	0% Ready To Use	*	*	*	0% Ready To Use	0% Ready To Use	Water Based MicroEmulsion	Nothing Ready To Use
ORB116B	1%-15%	1%-15%	*	*	*	*	*	*	Water Based MicroEmulsion	Sea Water
ORB116SC	1%-15%	1%-15%	*	*	*	*	*	*	Water Based MicroEmulsion	Sea Water
ORB135SC	1%-10%	1%-10%	5%-10%	5%-15%	5%-15%	*	0.1%-2%	0.5%-5%	Water Based MicroEmulsion	Fresh Water
ORB156SC	1%-10%	1%-10%	5%-10%	5%-15%	1%-15%	5%-20%	0.1%-2%	0.5%-2%	Water Based MicroEmulsion	Sea Water Fresh Water
ORB2000C	*	*	*	3%-10% Paraffin Dispersant	3%-10% Paraffin Dispersant	*	*	3%-10%	Solvent Based	Diesel, Toluene Xylene, Naphtha
ORB2100C	*	*	*	*	*	3%-10% Asphaltine Dispersant	*	*	Solvent Based	Diesel, Toluene Xylene, Naphtha
ORB2200C	*	1%-10%	1%-10%	*	*	*	1%-10%	*	Water Based	Fresh Water
ORB2300C	*	*	*	0% Ready To Use	0% Ready To Use	*	*	*	Solvent Based	Nothing Ready To Use
ORB3000SC	This product is a 50% caustic soda additive to enhance the cleaning power of caustic soda. Dosage is based on water hardness. See your Orbijet Sales Engineer for details and site visit to determine dosage rates. Caustic Soda usage can be reduced by 50% or more with this product.								Additive for Caustic Soda	Water and Caustic Soda



LEGEND: = NOT TESTED FOR THESE PRODUCTS

This is a guide only with generic percentages recommended based on past performances. For a detailed lab analysis on your particular cleaning and/or treatment requirement, contact our engineering group at [eng@orbijet.com](mailto:eng@orbijet.com) and arrange for an assay on your cleaning requirement.



BEFORE | AFTER



BEFORE | AFTER



BEFORE | AFTER

GENERAL PRODUCT SUMMARY

PRODUCT NAME	DESCRIPTION AND PURPOSE
ORB101SC	<b>ORB101SC</b> is a waterbased microemulsion chemistry for use primarily to recover oil from hydrocarbon laden slop wastes by either gravity or the use of a centrifuge. <ul style="list-style-type: none"><li>This is a super concentrated chemistry for dilution in Sea-Water or Fresh-Water with equal performance</li></ul>
ORB102C	<b>ORB102C</b> is a waterbased microemulsion chemistry for use in the removal of hydrocarbon residuals whilst not forming a tight emulsion that would be more costly to dispose of. Solids and surfaces are taken from oil wet to water wet thus gas-freeing/water-whiteing the tank that is being cleaned. Oil/water separation is fully achieved on the tank cleaning slops. Typical recirculation solutions can be reused several times before spent thus reducing the running cost of this chemistry. <ul style="list-style-type: none"><li>This is a concentrated chemistry designed for dilution in Sea-Water (primary) and Fresh-Water (secondary)</li><li>Certification by CEFAS</li></ul>
ORB102SC	<b>ORB102SC</b> is the same as <b>ORB102C</b> with the exception that it is a super concentrated formula allowing for this chemistry to be diluted at a lower portion of <b>ORB102SC</b> to the recommended dilutant. <ul style="list-style-type: none"><li>This is a super concentrated chemistry for dilution in Sea-Water (primary) and Fresh-Water (secondary)</li><li>Certiication by CEFAS</li></ul>
ORB102D	<b>ORB102D</b> is a Ready-To-Use microemulsion degreaser for use in hand sprayers and/or tank cleaning systems. This type of product is typically called a Rig Wash and is commonly used to degrease oil ladened surfaces found on drilling rigs or in refineries.
ORB116B	<b>ORB116B</b> is a concentrated microemulsion forming surfactant system. The product has been specifically designed to microemulsify (solubilise) base oils into water. The product is soluble for dilution with Sea-Water. <b>ORB116B</b> provides a highly efficient and fully integrated chemical cleaning system offering a complete waste management solution to provide zero waste production at source. <ul style="list-style-type: none"><li>This is a concentrated chemistry for dilution in Sea-Water or Fres-Water.</li><li>Can reduce oil on solids to below 1% weight oil on dry solids</li><li>Certification by CEFAS</li></ul>
ORB116SC	<b>ORB116SC</b> is a super concentrate microemulsion forming surfactant system. The product has been specifically designed to microemulsify (solubilise) base oils into water and vice versa. The product is soluble for dilution with Sea-Water. This product is similar to ORB116B but in a super concentrated form. <ul style="list-style-type: none"><li>Certification by CEFAS</li><li>Hydrocarbon removal, treatment, and slurrification of drill cuttings, mud slops, and hydrcarbon wastes.</li></ul>
ORB135SC	<b>ORB135SC</b> is the same as ORB102SC except this formulation is formulated for use with Fresh-Water instead of Sea-Water. Highly effective in the cleaning and remediation of hydrocarbon residuals such as those found in crude oil storage tanks, mud pits, and other sludge type residuals that need to be cleaned in tanks for storage and transportation. <ul style="list-style-type: none"><li>Certification by CEFAS</li></ul>
ORB156SC	<b>ORB156SC</b> is a highly effective hydrocarbon sludge treatment product. Effective on oil-refinery waste and heavy viscous tank bottoms. Separates oil from water and reduces hydrocarbons on solids to as much as 1% or less oil on solids. <ul style="list-style-type: none"><li>For dilution with Fresh-Water</li></ul>
ORB2000C	<b>ORB2000C</b> is a paraffin dispersant for use in liquifying paraffin laden crude oils and/or heavy wastes without the use of heat. <ul style="list-style-type: none"><li>For dilution with diesel fuel, toluene, xylene, and other aromatic hydrocarbons.</li></ul>
ORB2100C	<b>ORB2100C</b> is an asphaltene dispersant for use in liquifying asphalts, coal tar, and other heavily laden asphaltene hydrocarbons without the use of heat or reduced heat. <ul style="list-style-type: none"><li>For dilution with diesel fuel, toluene, xylene, and other aromatic hydrocarbons.</li></ul>
ORB2200C	<b>ORB2200C</b> is a basic water-based degreaser used for the removal of hydrocarbons <ul style="list-style-type: none"><li>For dilution with Fresh-Water.</li></ul>
ORB2300	<b>ORB2300</b> is a Ready-To-Use paraffin dispersant.
ORB3000SC	<b>ORB3000SC</b> is a water-based surfactant system that enhances the use of caustic soda so that the rinsing of Caustic Soda solutions is optimized and the caustic soda solution in itself is more effective. This is done in part by controlling the water hardness of the makeup water when using this product. Consult your Orbijet Sales Engineer.

\* for detailed information and datasheets, go to our website at [www.orbijet.com](http://www.orbijet.com)