

Oil and Gas Drilling Waste Stream Treatment

Global Advantech's products for the decontamination of drilling wastes to facilitate their disposal after separation and recovery of oils after drilling using oil-based muds

DEWATERING OIL-BASED DRILLING MUDS

Code	Product	Contaminant	Details
DC201	HEAVY DUTY DEMULSIFIER	Water/brine/seawater	<ul style="list-style-type: none"> • Separation and recovery of oils and hydrocarbons from oil-in-water and water-in-oil emulsions • Separation of water/brine/seawater from oil-based drilling muds that have become contaminated with water/brine during operations • Use in conjunction with oil-water separators, liquid-liquid hydrocyclones, settling tanks and centrifuges • Usage: blend 0.2% to 2.0% into oil-based drilling mud to be dewatered

WASHING DRILL CUTTINGS

Code	Product	Mud Type	Details
DC501	OBM DRILL CUTTINGS WASHING AGENT OIL-PHASE 501	Oil-based	<ul style="list-style-type: none"> • Oil-phase additive for aqueous cleaning of drill cuttings • Decontamination and recovery of oils from OBM drill cuttings, permitting their safe disposal • Use in conjunction with a cavitation scrubbing system • Usage : blend 0.5% to 2.0% into drill cuttings prior to entry into cavitation scrubbing system • Fresh and salt process water compatible
DC502	OBM DRILL CUTTINGS WASHING AGENT OIL-PHASE 502	Oil-based, cuttings with high clay/shale content	<ul style="list-style-type: none"> • Oil-phase additive for aqueous cleaning of drill cuttings • Decontamination and recovery of oils from OBM drill cuttings, permitting their safe disposal • Use in conjunction with a cavitation scrubbing system • Usage : blend 0.5% to 2.0% into drill cuttings prior to entry into cavitation scrubbing system • Fresh and salt process water compatible
DC503	OBM DRILL CUTTINGS WASHING AGENT OIL-PHASE 503	Diesel-based	<ul style="list-style-type: none"> • Oil-phase additive for aqueous cleaning of drill cuttings • Decontamination and recovery of oils from OBM drill cuttings, permitting their safe disposal • Use in conjunction with a cavitation scrubbing system • Usage : blend 0.5% to 2.0% into drill cuttings prior to entry into cavitation scrubbing system • Fresh and salt process water compatible
DC511	OBM DRILL CUTTINGS WASHING AGENT AQUEOUS-PHASE	Oil and diesel-based	<ul style="list-style-type: none"> • Aqueous cleaning of drill cuttings • Decontamination and recovery of esters from ester-based mud drill cuttings, permitting their safe disposal • Use in conjunction with a cavitation scrubbing system • Usage : mix 0.5% to 2.0% into process water in cavitation scrubbing system • Fresh and salt process water compatible

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Exceptional clean technologies for a sustainable future.....

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WASHING DRILL CUTTINGS Cont/...

Code	Product	Mud Type	Details
DC520	WATER-BASED MUD DRILL CUTTINGS WASHING AGENT	Water-based	<ul style="list-style-type: none"> • Aqueous cleaning of drill cuttings • Decontamination of water-based drill cuttings, permitting their safe disposal • Use in conjunction with a cavitation scrubbing system • Usage : mix 0.5% to 2.0% into process water in cavitation scrubbing system • Fresh and salt process water compatible

LEACHABLE HEAVY METAL AND ARSENIC REMOVAL FROM DRILL CUTTINGS

Code	Product	Contaminant	Details
DC241	HEAVY METAL SOLUBILISING AGENT A	Heavy metals, e.g. copper, zinc, lead, chromium, etc.	<ul style="list-style-type: none"> • Decontamination of drill cuttings by sequestration of heavy metals once majority of oil has been removed/recovered • Use in conjunction with cavitation scrubbing or continuous mixing systems • Usage: dilute at a rate 1 part in 10 to 100 parts of water • Contains a blend of sequestrants
DC242	HEAVY METAL SOLUBILISING AGENT B	Heavy metals, e.g. copper, zinc, lead, chromium, etc.	<ul style="list-style-type: none"> • Decontamination of drill cuttings by sequestration of heavy metals once majority of oil has been removed/recovered • Use in conjunction with cavitation scrubbing or continuous mixing systems • Usage: dilute at a rate 1 part in 10 to 100 parts of water • Contains a blend of sequestrants (alternative chemistry to DC241, product is selected after testing)
DC245	ARSENIC SOLUBILISING AGENT	Arsenic	<ul style="list-style-type: none"> • Decontamination of drill cuttings by solubilisation of arsenic once majority of oil has been removed/recovered • Use in conjunction with cavitation scrubbing or continuous mixing systems • Usage: dilute at a rate 1 part in 5 to 20 parts of water

RECOVERY OF HYDROCARBONS FROM FRACTURING FLOWBACK WATER, ETC.

Code	Product	Details
DC201	HEAVY DUTY DEMULSIFIER	<ul style="list-style-type: none"> • Separation and recovery of oils and hydrocarbons from oil-in-water and water-in-oil emulsions • Separation of oil and hydrocarbons from hydraulic fracturing flowback water, etc. • Use in conjunction with oil-water separators, liquid-liquid hydrocyclones, settling tanks and centrifuges • Usage: mix 0.2% to 2.0% into emulsion being treated

Please refer to Product Guide PG031 “Oil and Gas Production” for other oil and gas industry waste stream treatments, hydrocarbon recovery, decontamination and cleaning products.