

BC-3

Heavy Oil / Oil Sand / Asphaltene Extractor / Iron Dispersant

Application & Performance

BC-3 is a proprietary water soluble and patented technology that is environmentally friendly > non-toxic, non-volatile, and non-flammable.

BC-3 liberates dense non-aqueous phase liquids such as coal tar and bitumen from solids, resulting in 97% extraction efficiency for coal tar and bitumen based on quantitative removal of PAH.

BC-3 does not require the addition of volatile solvents, and is effective at most temperatures.

BC-3 contains an iron dispersant and a demulsifier to aid in the removal of heavy hydrocarbon deposits from solids and also separates oil from water.

BC-3 – Oil Sands – when BC-3 comes in contact with tar or oil sands, it lifts the oil or tar from the sand and disperses the hydrocarbons for easy extraction. Tailing ponds, EOR, and SAGD are some of the areas where BC-3 has excellent potential.

BC-3 – Frac – BC-3 is available in liquid for most applications, but a powder version is also available if powder adds are preferred. The powder version is coupled with an inert material that slows the solubility time with water, thus permitting BC-3 to travel long in the formation and provides an inhibitive effect post frac production.

BC-3 – Pipeline – BC-3 can be added in front of pigging operations to dislodge and disperse accumulations of heavy hydrocarbons and precipitated asphaltenes, which not only help with cleaning of the pipeline, but also reduces the risk of pig plugging and under deposit corrosion.

BC-3 – Tank Bottom Cleaning – BC-3 can be added to stock tanks as a method of dropping solids and lifting available hydrocarbons, thus making tank cleaning and solids removal much easier and safer.

BC-3 – Stimulation – BC-3 can be pumped into the formation to dislodge, facilitate, and enhance hydrocarbon recovery. Heavy deposits of hydrocarbons and asphaltenes left behind after hot oil/water treatments can be removed, permitting inflow of producible fluid.

BC-3 – Production Treating – BC-3 can be pumped down annuli to keep casing, tubing, and rods clean and clear of heavy oil / asphaltene deposits. In turn, cleaning flow lines and treating vessels is also accomplished utilizing BC-3.

BC-3 – Remediation - BC-3 can be used on oil spills. BC-3 works with 2 mechanisms – lifting oil into pools for recovery from the soil, and through biodegradation of oil. Other than hauling off captured pools of oil, no hauling of contaminated soil is necessary.

Typical Properties

Specific Gravity = 1.01

pH = 13.7

Solubility = Water

Appearance / Odor = Yellow/Orange Liquid w/ Ammonia Like Aroma

Freezing point = 32° F

Shipping & Handling

BC-3 is available in 55 gal drums, totes, and bulk. A Material Safety Data Sheet outlining proper handling of this product is available upon request.