Technical Data Sheet **ICC-Antifoam (Biodegradable Defoamer)**

Foam Control Agent

ICC-Antifoam B is a high performance defoamer/antifoam designed to control a wide variety of foaming problems encountered in the drilling, production, and stimulation of oil and gas .
ICC-Antifoam B finds application in the control of foam in water based mud system, foam drilling operations, gas separation equipment, glycol dehydration units, gas plant absorption columns amine sweetening units, foamy crude oil production systems and other crude oil processing equipment.
ICC-Antifoam B is especially effective in the control of foam pits during air mist/stable foam drilling operations.
ICC-Antifoam B effectively breaks the bubble structure of both polyhedron and sphere foams, allowing the entrained gas to be released from the aqueous phase of the system. Being oil soluble, the product remains on the surface of water systems to remain effective in controlling further accumulations of foam.
ICC-Antifoam B is a high molecular weight alcohol based defoamer/antifoam.
ICC-Antifoam B is biodegradable and environment friendly alcoholic antifoam.
Antifoaming agent is used to minimize foaming and air entrainments that are caused by addition of surfactant, salt & etc .
ICC offers a broad range of foam control technologies to the oil and gas industry to help maintain optimum operations in petrochemical production and application.
"B" category ICC-Antifoams are biodegradable **alcoholic** antifoams for Oil Production and Processing.
They are environmentally acceptable defoamer for use in sensitive regions.

Typical Physical Properties	
Physical Appearance	Colorless liquid
Specific gravity at 25ºC, gr/ml	0.8±0.03
pH (100% solution)	5-6
Solubility in water	Insoluble

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Applications

ICC-Antifoam B may be applied by either batch or continuous injection processes depending upon the application. Use concentrations will vary depending on the type of application and the severity of the foaming problem. In drilling applications **ICC-Antifoam B** is typically applied at a rate of 1 to 4 quarts per100 barrels to effectively control most foaming problems in water-based drilling fluids. During foam drilling operations the product may be injected into the blooey line, drilled in at the end of the return line or sprayed directly onto the pits for foam control.
When continuously injected, the selection of an injection point is very important in the application of a defoamer. It is recommended that a site as far upstream from the foaming problem as possible be selected. This will allow for adequate mixing and provide antifoam performance as well as defoaming of any existing foam .

Packaging and Storage

ICC-Antifoam B is packaged in 200 Lit polyethylene or steel drum. Customized packaging is also available on request.
ICC-Antifoam B store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Shelf Life

ICC-Antifoam B has shelf life of at least one years from the data of manufacture when stored in the original sealed containers in a cool and dry place.

Safety and Handling

ICC-Antifoam B must be handled as an Industrial chemical, wearing protective equipment and observing the precautions as mentioned in the MSDS.
The product may cause skin, eye irritation, avoid contact with eye and skin by wearing goggles and gloves. For skin contact wash with water and soap while eye and contact flush eye well with water for 15 minutes and call for medical attention. A material safety data sheet outlining proper handling of this product is available upon request, or will be forwarded upon the purchase **ICC-Antifoam B**.

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