ON BEACHES

SLICKCOUNTER 2020 is extremely effective when applied undiluted on rocks, harbour walls, beaches etc. It is advisable to apply it at a treatment rate of approximately 1 part dispersant to 10 parts of oil in a fine spray such as from a knapsack spray or other suitable beach spraying equipment.

It is also advisable to apply it approximately 10-30 minutes before an advancing tide. This is so that the surf line provides energy to disperse the oil. However if the energy of the surf line is insufficient, then fire hoses could be directed to the water adjacent to the beach to provide additional energy.



Shoreline cleanup using Slickcounter 2020

HEALTH AND SAFETY INFORMATION

SLICKCOUNTER 2020 has a low toxicity and irritancy. However contact with eyes and prolonged contact with the skin should be avoided. Wearing of protective goggles is recommended. Avoid breathing spray mists or vapours. This product supports combustion and should be kept away from sources of ignition.

Material safety data sheet is available on request.

"Synergy Trend's major customer is clean Nigeria Associate, a conglomerate of fifteen international and national oil and oil gas companies. Others are Yinka Folawiyo Aje, Aril Technologies Ltd and Osafunyi International oil and gas company"

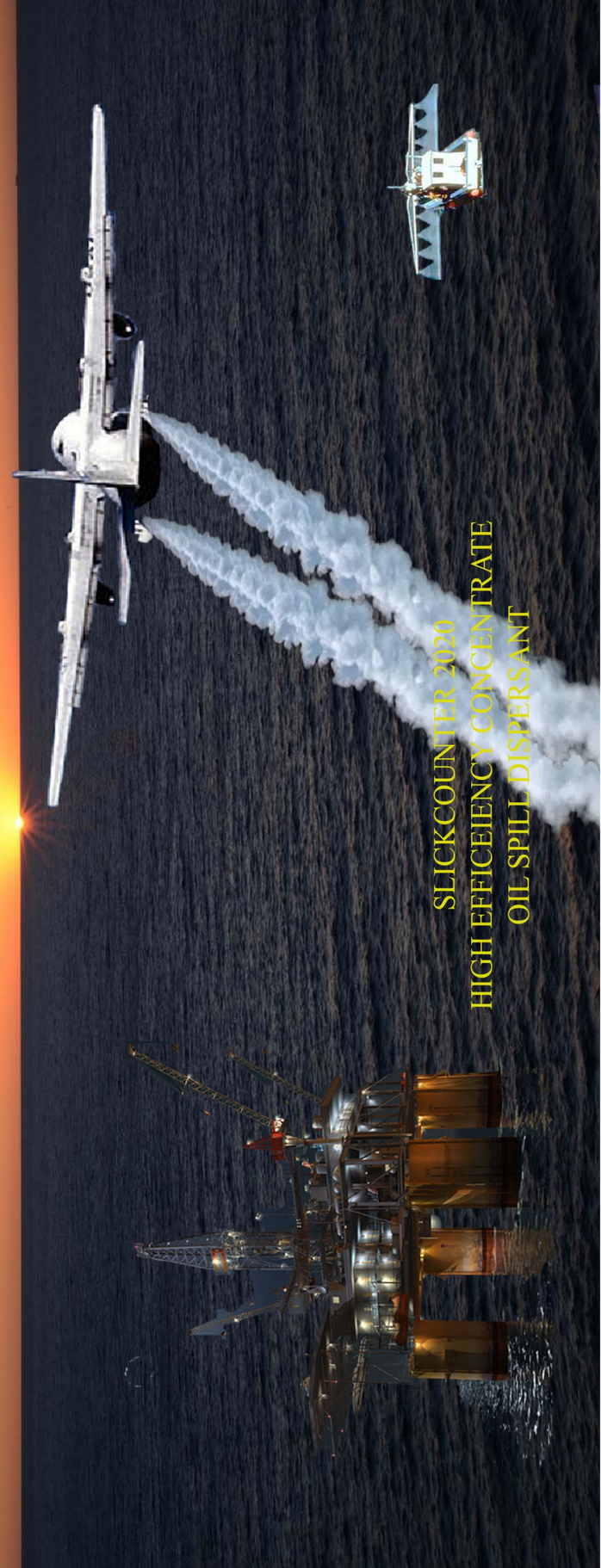
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SLICKCOUNTER 2020: SLICK SOLUTION FOR SLICK POLLUTION

Synergy Trend International Ltd

OILSPILL DISPERSANT



SLICKCOUNTER 2020
HIGH EFFICEIENCY CONCENTRATE
OIL SPILL DISPERSANT

SLICKCOUNTER 2020
HIGH EFFICIENCY CONCENTRATE
OIL DISPERSANT

SLICKCOUNTER 2020 is an approved solvent based Type 3 concentrate dispersant. It can also be used as type 2 by dilution at 1:10 with sea water. It is highly effective on a wide range of different oils including those with high wax content.

SLICKCOUNTER 2020 is very low in toxicity to marine organisms. It is comparatively more effective than most dispersants at emulsifying crude oils, fuel oils and water-in-oil emulsions (chocolate mousses) even at low temperatures. The resultant oil droplets are minute enough to be retained beneath the sea surface where they are rapidly diluted by subsurface mixing and eventually biodegraded by marine micro organisms.

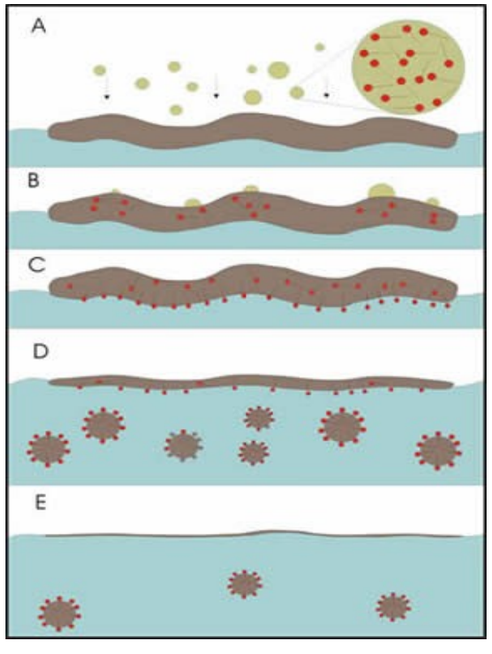
METHODS OF APPLICATION

AT SEA:

SLICKCOUNTER 2020 has been developed for use undiluted. It is most effective if applied in this way. However, it is also compatible with seawater and can be diluted to 10% with good results.

The effective treatment rate for dispersants is approximately 1 part per dispersant to 20-30 parts of crude oil. If the average thickness of the oil slick is 0.1mm, then an application rate of 3-5imp.gal./acre (30-50 litres/hectare) is required. Although oil slicks tend not to be uniform, with thicknesses varying from microns to several millimetres. So, therefore it is important to estimate the thickness of the oil being treated at any giving time and adjust the treatment as necessary.

MECHANISM OF DISPERSION



The chemical dispersion process:

A. Slickcounter 2020 droplets are sprayed onto the oil slick.

B. The solvent carries the dispersant into the oil.

C. The dispersant molecules migrate to the oil/water interface and reduce surface tension, allowing

D. Small oil droplets to break away from the slick.

E: The droplets disperse by turbulent mixing, leaving only sheen on the water surface.

FROM AIRCRAFT OR HELICOPTER

SLICKCOUNTER 2020 should be applied to the spillage from suitable spray booms in the form of a volume median diameter of approximately 500 microns. This type of spray produces good uniform coverage without excessive windborne losses, and prevent droplets with the momentum to penetrate the oil and become lost to the underlying water.

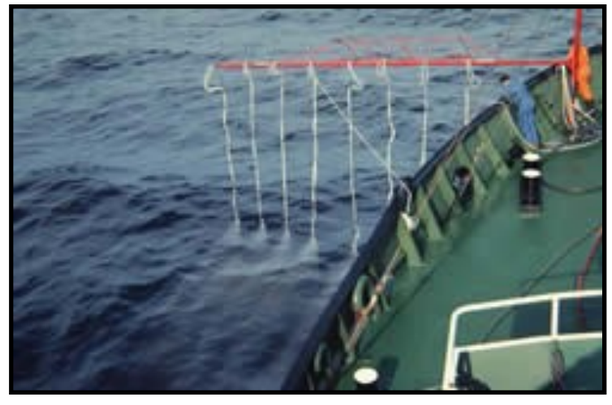


Aerial application of Slickcounter 2020 over a deepwater horizon oil spill using an aircraft

FROM BOATS

SLICKCOUNTER 2020 should be diluted with 9 parts sea water to form a 10% solution for application using conventional spray equipment such as Warren Spring. The diluted dispersant solution should be sprayed at treatment rate of 1 part to 2-3 parts of oil. The efficiency loss on dilution of dispersant is partly compensated for by the use of breaker boards to provide energy to emulsify the crude.

The dispersant can be applied undiluted from boats provided suitable spray equipment is available. Details of suitable equipments can be provided.



Boat application of Slickcounter 2020 using spray arms mounted near the bow of the vessel.