

MAGNA 1100 OIL SPILL DISPERSANT

Meets Philippines coast guard republic act 5173
Coast guard certificate number-PCG-94-022
Complies with the specifications of dispersants listed in the second schedule to the prevention of pollution of the sea regulations, 1976



Specialty Chemicals

DESCRIPTION

Magna 1100 is a special oil spill dispersant designed to disperse oil spill rapidly both on land and sea. It emulsifies oil spill effectively and forms stable dispersion. The super emulsifier accelerates rapid dispersion of oil into milky white residues. Their dispersing property makes it a highly efficient solution to combat oil pollution at sea. Magna 1100 may be used as cleaner on deck too. Its high flash point makes it safe from fire risk under all practical conditions. Magna 1100 low toxicity will not harm operational personnel or marine life. It is non-corrosive and safe on metals.

DIRECTIONS FOR USE

- Before application, dilute 1 drum of Magna 1100 to 9 drums of diesel. Agitate the solution for 3 to 5 minutes. For treatment of thick oil spill on water, set up fence around the spillage to prevent diffusion. Then remove oil spill as much as possible by means of an oil skimmer or oil absorbent. Spray Magna 1100 over the area completely. For faster reaction, agitate with water jet.
- Magna 1100 should be applied in the form of fine droplets which are spread over the contaminated sea-surface. On small areas, eg spillage on deck minor oil slicks in harbours etc, flicking a brush wetted will normally suffice. On deck or ashore the spillage is hosed away with copious quantities of water.
On large slicks at sea, Magna 1100 should be applied from workboats equipped with spray nozzles mounted on booms extending from either side of the boat. The boom-length should be 6-10 meters and the nozzles mounted in such a way that the spray hits sea at a straight angle, with an overlap of 15-20 cm using of adjacent spray patterns. The flow should be provided by low pressure, using low volume pumps with a working pressure of 0.7 - 1.4 bars and a speed of the workboat and pumping capacity.

AREAS OF USE

OIL SPILL:

- Sea and river water.
- Harbours, seaports and also other naval facilities.
- Off-shore drilling platforms and decks.
- Oil spills along coastline.

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OIL SPILL ON BEACHES

May be treated with oil spill dispersant which is then best applied by using a knapsack sprayer or transportable device. The treatment should be done on an advancing tide in order that the oil is covered by sea water half to one hour after it has treated with dispersant. Above the tide-line, the oil must be washed into the advancing tide by means of high pressure hoses.

The following table may serve as a guideline for dealing with heavy crude.
Number of Litre per Ha (1 Ha = 10,000m² = 0.01 km²)

Knots	Min/Ha	20 l/min	Pump Capacity	80 l/min
▶ 6m boom				
3	18	400	550	1350
4	13.5	300	400	1000
5	11	250	333	800
6	9	200	275	700
▶ 10m boom				
3	12	275	360	900
4	9	200	275	700
5	7.5	160	220	550
6	6	133	180	450

SPECIFICATIONS

Colour: Rich Brown
Clarity: Clear
Viscosity: Free Flowing
Biodegradable: Yes
Specific Gravity: 0,805 ± 0.5
Flash Point: Above 75°C
Boiling Range: 200-250°C

AVAILABLE PACKAGING

25 Liters / 200 Liters

CONTACT US

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