

SuperDispersant 25

Type 2/3 Marine Oil Dispersant



SuperDispersant 25 is a Type 2/3 marine oil dispersant. It may be applied from the air, as well as from sea vessels.

SuperDispersant 25 has approval from the UK FEPA (Food and Environment Protection) organisation, as well as approval from CEDRE in France and ROPME in the Middle East. Approval by these agencies includes testing for efficiency, toxicity and biodegradability.

SuperDispersant 25, is non-flammable, and poses no threat to operators when stored, particularly on vessels or oilrigs.

Application Rates & Techniques

The recommended rate of application of SuperDispersant 25 is 1 part dispersant to 20-30 parts of oil, although this depends on many factors including type of oil, viscosity, degree of weathering, ambient temperature and prevailing weather conditions.

In general, the oil should be treated as quickly as possible, as weathering increases the viscosity of the oil, and this in turn necessitates a substantial increase in the dispersant required.

As a Type 2 (water dilution mode) SuperDispersant 25 is used premixed at a ratio of 1 part dispersant to 10 parts of sea water and sprayed onto the slick using surface breaker boards or other enhanced agitation techniques to give greater mixing of the dispersant/oil emulsion.

As a Type 3 (undiluted mode), SuperDispersant 25 is used in its neat form, utilising appropriate spraying equipment from aircraft or vessels onto the slick. In all circumstances, the Type 3 mode is the preferred method as this gives far greater efficiency in the dispersal of the oil slick.

Ideally SuperDispersant 25 is sprayed undiluted from bow mounted spray booms in order to take advantage of the "roll-over" effect of the vessel's bow wave. If SuperDispersant 25 is used in the diluted mode, additional agitation is required by the use of surface breaker boards or fire hoses.

AERIAL APPLICATION

SuperDispersant 25 can be applied by a wide variety of rotary and fixed wing aircraft, particularly dedicated spraying aircraft if these are available. It must be emphasised that due to aircraft speed, atomisation of the dispersant must be reduced by using a spray nozzle system that will give a large droplet size (700 - 1200 microns).

The rate of application for SuperDispersant 25 to the slick will vary according to a number of parameters. It can generally be estimated for a slick that is dark brown/black in colour as 100 - 200 microns in thickness. This would represent 1-2 tonnes of oil per hectare and would require 50 - 100 litres per hectare of dispersant to treat the slick.

The discharge rate for SuperDispersant 25 can be obtained from the general relationship:-

$$\text{DISCHARGE RATE (litres/min)} = \text{APPLICATION RATE (litres/m}^2\text{)} \times \text{SPEED (m/min)} \times \text{SWATHE WIDTH (m)}$$

ON BEACHES, ROCKY SHORES AND HARBOUR WALLS

Spray the undiluted SuperDispersant 25 on to the contaminated areas. Using portable back sprayers or dedicated beach cleaners if these are available. It is preferable to spray in front of a rising tide, in order to effect rapid natural dispersion.

At all times advice should be sought from the incident commander.

TECHNICAL DATA

Appearance	Amber liquid	SG	1.00
pH	Approx. 7.0	Flash Point	68°C

PACKAGING

25L, 200L, 1000L

SAFE HANDLING AND STORAGE

Store in original containers and avoid extremes of temperature.

For guidance on handling and disposal see Material Safety Data Sheet.

Supplied by

Oil Technics Ltd.

Linton Business Park, Gourdon,
Aberdeenshire, Scotland UK DD10 0NH

Tel: +44 (0) 1561 361515

Fax: +44 (0) 1561 361001

Email: info@oiltechnics.com

Web: www.oiltechnics.com

