

SUPER DISPERSANT 25

Description

Super Dispersant 25 is an internationally approved Type 2/3 marine oil dispersant, suitable for application from both the air and sea vessels. Also suitable for oil spills on both water and coastal areas such as beaches, shorelines and harbour walls.

With approval from UK FEPA (Food and Environmental Protection) CEDRE in France and ROPME in the Middle East.

- High flash point not classified as flammable
- Poses no threat to operators when stored
- Internationally approved (UK, France and Middle East)

Application

The recommended rate of application of SuperDispersant 25 is 1 part dispersant to 20-30 parts of oil. This rate 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 dispersant (water dilution mode), SuperDispersant 25 is used premixed at a ratio of 1 part dispersant to 10 parts 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 dispersant (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.

Properties

Appearance: Liquid , Amber

Density @ 20°C: 0.95-1.05

pH (concentrated): 5.5-7.5

Shelf Life

Storage: 24 months

Available in the following containers



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 that if a slick is dark brown/black in colour, it will have a thickness of 100 - 200 microns.

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:

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

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.

Environmental

Dispose of chemicals in accordance with local environmental legislation.

Handling

Normal precautions should be taken for handling chemicals. Protective clothing, eye protection and gloves should be worn. For further details please refer to the safety data sheet.

Storage

Store in a cool, dry location between 5°C and 25°C. Protect from freezing. Avoid direct sunlight and extreme temperatures. Store the product sealed in the original container to avoid air exposure. Some products may settle during storage or transportation, ensure thorough mixing before use. See safety datasheet for list of incompatible materials and other relevant information.