

ECODIS

Water Based General Purpose Detergent

Technical Information

Physical Data

Appearance:	Clear yellow liquid
Specific gravity:	0.84 at 15°C
Viscosity at 20°C:	9.5 cSt.
Flash Point:	72°C.
Freezing Point:	-20°C.
Corrosive Action:	No attack on common metals

Description

A liquid compound containing surface-active agents and very low toxicity solvents.

- ▶ Biodegradable
- ▶ Very low toxicity
- ▶ Fast and effective usage

Application

For the dispersal and clearance of accidental oil spills of mineral oil, including crude oil, kerosene, residual fuel oil, white spirit, diesel fuel oil, and lubricating oils. This product is designed for use on oil spills that may occur during the loading and discharging of cargo or bunkers, both at sea, in harbors, and around offshore structures.

Advantages

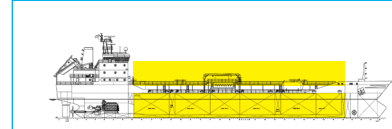
- ▶ Ready for use product - direct application.
- ▶ Rapid action: converts hydrocarbons into very fine emulsions.
- ▶ Accelerates the chemical breakdown of the oil fractions by marine bacteria.
- ▶ Licensed by local authorities whenever applicable.
- ▶ Biodegradability of the dispersant is better than 90% within 21 days.

Directions for Use

Oil Spills on Water

1. Contain any floating oil spill where possible, using an oil boom to surround it.
2. If the oil layer is thick, pump or skim off as much as possible.
3. Once you've removed as much oil as possible or if the spill cannot be contained, apply ECODIS neat (consult Product Dose for quantities required).
4. For small areas, apply by spray using a portable hand spray gun with extensions. Allow some time for the oil to absorb ECODIS, then disperse the mixture by agitating it with water from fire hoses or by using mechanical means of agitation.
5. For large areas, use one of the following methods:

USAGE AREAS



Tank Cleaning and Maintenance

PACKAGING



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- A. Use spraying equipment connected to the sides of a motor launch (ensure the spray is directed over the spill before the wake becomes turbulent).
- B. Use spraying equipment connected to a helicopter (the helicopter should be kept at a height where the down-draft from rotors does not cause the slick to break up while spraying). After spraying, allow, where possible, time for the oil to absorb ECODIS, then disperse the mixture by agitating.

Oil Spills on Decks, Rocks, Beaches, etc.

1. Remove as much of the oil as possible using an oil absorbent powder or similar.
2. Spray ECODIS over the area covered by the oil and allow some time for it to be absorbed into the oil (consult Product Dose for quantities required).
3. Disperse the mixture with water either by using a fire hose or, for certain beaches and rocks, by natural tidal wash action.
4. Where oil marks are not recent, several applications may be necessary.

Product Dose

The dosage of ECODIS depends upon the type and quantity of the oil composing the spill. We recommend the following:

- **Regular crude oil (thin layer):** use 1 volume of ECODIS for 10 volumes of oil.
- **Heavy hydrocarbon oil (or thick layer):** use up to 1 volume of ECODIS for 4 volumes of oil.

Health Safety and Environment (HSE)

Uniservice Unisafe Srl have carefully developed their products to minimize the safety risks and environmental impact of using their products. However, Uniservice advises that, prior to using its products, users should read in detail the accompanying Safety Data Sheet and ensure that its products are applied within the required HSE regulations of the country in which the user operates. Best practice and safety requirements should be followed which will likely include method statements and risk assessments, together with any specific requirements of the user's own company HSE requirements.



Important Notice

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, this information is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you

do a test to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by Uniservice Unisafe Srl hereunder are given gratis, and Uniservice Unisafe Srl assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk. Product images are for reference purposes only.

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