

OSD CON

- * **BIODEGRADABLE**
- * **REDUCES CLEANING TIME**
- * **HIGH FLASH POINT**
- * **LEAVES NO MESSY SCUM ON SURFACES**
- * **ECONOMICAL AND EASY TO USE**

DESCRIPTION

A-3510 contains extra-strong super emulsifying agent and solvents carrier to break up specially tough oil spills which cannot be dispersed by ordinary dispersants. **A-3510** is specially designed to remove oil spillage on water. The spillage creates sea pollution and causes contamination to coastal lines, sides of marine vessels, recreational areas, severe loss to aquatic life, damages to marine food and exposing marine properties to fire hazards.

DIRECTIONS FOR USE

A-3510 is usually diluted as 1 part of **A-3510** with 9 parts of fresh or sea water, prior to or during use. The diluted dispersant is then sprayed directly onto the spilled oil by using a low volume and low pressure spray. **Avoid spraying against the wind.** Agitate the treated surface with a high pressure stream of water. If the oil spillage is treated from a launch or motor boat, the contaminated area can be agitated by running the boat through it several times. An alternative method is applying **A-3510** through an eductor, at a 1% to 5% concentration in sea water, depending on the thickness and viscosity of the oil spill.

Take special care to use nozzle which provides a uniform spray of droplets. In using a workboat for spraying, ensure the spray pattern is flat. The nozzle's spray angle should be such that the fan shaped sprays from adjacent nozzle overlaps just above 45° upwards. Direct spraying will drive the active surfactants through the slick into the water, without attachment to the oil.



PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity @ 25°C	: 0.86
Viscosity (Cst) @ 37.8°C	: 6.51 Cst
Cloud Point	: 10°C
Pour Point	: 3°C
Flash Point	: Over 65°C
Total Aromatic Hydrocarbons	: Below 3%
Total Chlorinated Hydrocarbons	: Below 0.05 Mg/L
pH	: 7
Colour	: Pale Yellow

BIODEGRADABILITY

At 37 °C, the biodegradability of **A-3510** is not less than 90% based on the average result of the seventh and eighth day from the commencement of the test.

TOXICITY

The toxicity of **A-3510** using glass fish (Chanda Gymocephalus) as a standard test for organism, is better than the LC₅₀ for 96 hours exposure. It is not less than 100 mg/l, for a mixture of the dispersant and Standard Marine Fuel Oil (MFO V1100 / 1200) in the ratio 1 : 1.



SAFETY AND HANDLING INFORMATION

Protective Measures	Use with good industrial hygiene and avoid direct contact. Wear full protective clothing, impervious gloves, goggles or full-face mask. Use in only adequately ventilated areas, equivalent to outdoors. Neat A-3510 should not be heated above 60°C.
Spillage & Disposal	Remove all ignition sources and isolate area. Stop leak at source if this is possible. Recover free liquid and ventilate area. Keep petroleum products out of sewers and water courses by impounding. Absorb residue with dry sand or earth. Dispose off absorbed residue as per local authority requirements.
<u>FIRST AID</u>	
Eyes	Rinse eyes with copious amount of water for at least 15 minutes. If irritation persists, seek medical advice.
Skin	Wash skin thoroughly. Remove grossly contaminated clothing, including shoes and launder before reuse. Seek medical attention if necessary.
If Inhaled	Evacuate victim to open air. If breathing or circulation has stopped, apply appropriate resuscitation. Keep at rest. Seek prompt medical attention.
If swallowed	Rinse mouth; then drink 1 or 2 large glasses of water. Do not induce vomiting. Seek prompt medical attention. Never give anything via mouth to an unconscious person.
<u>HANDLING</u>	
Storage & Transportation	Product should be stored and transported in original containers. Keep container lid tightly sealed and dry. Store in a cool and dry area, away from direct sunlight, ignition sources or extreme heat. Keep away from open flames.
Packaging	Supplied in 25 litres and 200 litres non-returnable containers.

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