

## RADIAGREEN OSD - Type 3 dispersant



COMPOSITION	Anionic surfactant, ethoxylates; 100% free of any aromatic hydrocarbon-based solvents; emulsifying agents compliant with AFNOR 90 348 test protocol
VISCOSITY	Ca. 31 mm <sup>2</sup> /s (40°C) or 25.5 Centistokes (ASTM D 445, at 40°C)
FLASH POINT	>110°C (ASTM D 92)
CLOUD POINT	-16°C (ASTM D 2500)
POUR POINT	-21°C (ASTM D 97)
PH	6.33 (ASTM D 1172)
TOXICITY	No acute toxicity (Category 4); may cause skin irritation (Category 2) and serious eye damage (Category 1); Hazard phrases: H302, H315, H318; Risk phrases: R22, R38, R41
ECOTOXICITY	Toxicity on white shrimp ( <i>Palaemonetes varians</i> ) less than 10 times the reference toxicity of Noramium (AFNOR 90 349)
BIODEGRADABILITY	>50% after 28 days (AFNOR 90 346)
OTHER ECOLOGICAL INFORMATION	According to literature: no environmental hazard; compliant with and passed the ecotoxicity and biodegradability 'Sea Test' and 'Rock Shore Test' protocols in UK; bioaccumulation potential (i.e. Log Pow) >5
EFFICIENCY	Compliant with requirements of the AFNOR NFT 90-345 (France) and WSL LR 448 (UK) test protocols, both in concentrated and in diluted form (dil. to 10 %). Its efficiency is not affected by the viscosity of the crude oil (ranging between 500 to 2000 mPa.s at 10°C)
EU REGULATIONS	No REACH Annex XVII restrictions; contains no REACH candidate substance

### PACKING AND TRANSPORT INFORMATION

PACKING FORM	Packed in Intermediate Bulk Container (IBC Schutz Ecobulk LX 1000) containing 950kg
TRANSPORT INFORMATION	Not subject to any transport regulations by air (IATA), sea (IMDG) or land (ADR, RID)

## STORAGE LOCATION AND AVAILABLE QUANTITIES

LIMASSOL (CYPRUS)	201.4 TONNES
GUDJA (MALTA)	183.6 TONNES
SINES (PORTUGAL)	201.4 TONNES
LAS PALMAS (SPAIN)	201.4 TONNES
RAVENNA (ITALY)	402.8 TONNES

## APPROVAL FOR USE

The dispersant is approved for use in the following European states: Belgium, Croatia, Cyprus, France, Ireland, Malta, Netherlands, Portugal, Spain and United Kingdom.

## DIRECTIONS FOR USE

Radiagreen OSD can be used pure, undiluted, in a 1 on 20 proportions (1 part dispersant for 20 parts of oil) for dispersion by means of aircraft or vessel.

Appropriate spraying equipment is advisable such that the product is uniformly distributed on the surface of the spill. An additional mechanical mixing may be advisable to enhance the breaking.

Always make sure the dispersant is sprayed on top of the spill. Give the dispersant some time (30-40 minutes) to penetrate the oil. Then spread the treated spill using a mechanical device or a water jet (this might not be necessary in open sea).

## EMERGENCY CONTACT DETAILS

Emergency telephone number (24/7): +32 3 575 55 55 (SGS ERS; Oleon Contract No 76858)

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