

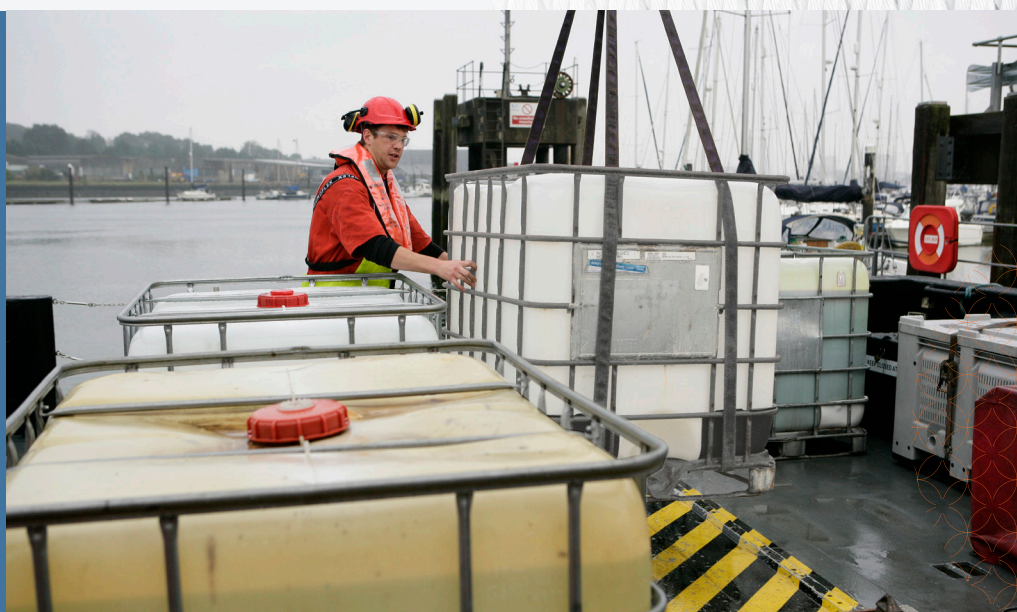
Dispersant Finasol OSR52



Finasol OSR52, developed by TOTAL Fluides SAS, is a highly effective marine dispersant used in oil spill response operations. Designed to break down oil into smaller droplets, Finasol OSR52 enhances natural biodegradation, thereby reducing the environmental impact. This dispersant meets rigorous regulatory standards across multiple countries, including the US, UK, France, and Australia, making it suitable for diverse marine environments.

Key Facts

- Approved for use in major oil spill response regions, including the United States, United Kingdom, France, and Australia
- Demonstrates high efficiency, with effectiveness rates up to 92% under certain conditions
- Operates effectively across a wide temperature range, maintaining efficacy even at 0°C
- Complies with the OPRC Convention standards, supporting global oil spill response needs



Approvals

USA	Approved by the EPA under the National Contingency Plan, which requires a minimum effectiveness of 45%
UK	Meets the LR448 standard with reported effectiveness exceeding 60%
France	Approved under the IFP standard, requiring a minimum efficacy of 60%
Australia	Meets the Mackay test performance requirements, achieving an efficiency of 50% or greater

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OSRL Members can access the Global Dispersant Stockpile and UK Dispersant Stockpile through additional supplementary agreements.

Toxicity

Finasol OSR52 undergoes extensive toxicity testing to ensure environmental compatibility:

- **Moderate toxicity classification:** Finasol OSR52 alone is classified as slightly to moderately toxic to marine species, with tests showing that when mixed with oil, the dispersant does not increase overall toxicity compared to the oil alone.
- **France and Australia compliance:** Meets eco-toxicity standards for both countries, where testing showed Finasol OSR52 to be significantly less toxic than reference toxicants like Noramium DA50.
- **Regulatory thresholds:** Passes US EPA standards for marine toxicity, ensuring that the mixture of dispersant and oil does not exceed toxicity levels of oil alone.

Effectiveness

Finasol OSR52 has shown high efficacy in various laboratory tests:

- **Effectiveness rates:** Achieves up to 92% effectiveness, particularly under LR448 testing in the UK, and maintains a 72% efficiency rate in cold temperatures as low as 0°C.
- **Global standards compliance:** Meets or exceeds international efficacy tests, such as those by the IFP in France and the EPA in the US, with significant effectiveness demonstrated in controlled laboratory conditions.
- **Operational versatility:** Designed to disperse oil efficiently across different environmental scenarios, including offshore conditions, enhancing the natural degradation process and reducing the impact on shorelines.

Biodegradability

Finasol OSR52 has shown high efficacy in various laboratory tests:

- **High biodegradability:** Finasol OSR52 meets French standards for biodegradability, with tests showing a 63% breakdown within 28 days, exceeding the minimum requirement of 50%.
- **Environmentally compatible:** Categorised as a “well biodegradable substance in the marine environment,” Finasol OSR52 supports the natural degradation process post-application.
- **Absence of persistent compounds:** Formulated without persistent harmful constituents, Finasol OSR52 enables faster recovery of affected environments and limits long-term impact on marine ecosystems.