

Recent Dispersant Regulatory and Stockpile Changes

PWSRCAC Board of Directors Meeting

Danielle Verna
Project Manager, PWSRCAC

Merv Fingas
Spill Science, LLC

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*Citizens promoting the environmentally safe
operation of the Alyeska terminal and associated
tankers*

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Regulatory updates are ongoing.



May 2023

EPA finalizes amendments
to Subpart J of the
National Contingency Plan

December 2023

Subpart J product listing
and authorization of use
requirements go into
effect

Products on the existing
NCP Product Schedule are
conditionally listed for 2
years

December 2025

All products must comply
with the new testing and
listing criteria to be
included on the NCP
Product Schedule



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Dispersants stockpiles are changing.

- Current Stockpile: **COREXIT 9500A**
 - COREXIT Environmental Solutions announced the **discontinuation** of the manufacture, sale, and support of the regulatory framework of COREXIT™ oil dispersant and shoreline cleaner products
- As such, existing stockpiles of Corexit 9500A in the United States, including the stockpile in Alaska available for use by TAPS shippers, must be replaced with a **new dispersant** that meets EPA testing and listing criteria



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Dispersants stockpiles are changing.

- Three **NEW** dispersants are currently listed on the NCP Product Schedule
 1. Accell Clean DWD 2.0
 2. Finasol OSR 52
 3. Dasic EcoSafe OSD
- The existing stockpile of Corexit 9500A in Alaska will be replaced by **Dasic EcoSafe OSD**, manufactured by Dasic USA, LLC, in Baytown, Texas



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Data availability is limited.

- Most of the data that we have is on Corexit 9500A
- In the literature, there are 486 papers mentioning Corexit dispersants, 40 mentioning Finasol, 13 papers mentioning Dasic, and only 2 papers mentioning Accell
- There is very little toxicological data on the three newly listed dispersants
 - Little dispersant use history
 - Further independent studies are needed to evaluate environmental trade-offs for oil spill response



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Composition and toxicity are difficult to evaluate.

- **Dasic EcoSafe** consists of four surfactants and two solvents, which are also found in Corexit 9500A
- **Effectiveness**: no data is available for ANS crude oil, species in Alaska, or marine conditions (temperature, salinity) in PWS
- **Human toxicity**: still unexplored
- **Environmental toxicity**: appears to be similar to Corexit 9500A, less toxic than Accell or Finasol



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Concern over human toxicity.

- No data on human toxicity generated to date on Dasic EcoSafe
- Human toxicity data on older dispersants was also very inadequate
- A California group led by Riki Ott is protesting the use of dispersants particularly because of human toxicity



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Storage is critical to product life span.

- Dasic EcoSafe has a shelf life of **at least 20 years**
- MSRC plans to test the product after **10 years** and every **5 years** thereafter using the Baffled Flask test
- The **storage** of the dispersant will be in a controlled climate warehouse **in Anchorage**, approx. 60,000 gallons
- There are no recognized standards or protocols for evaluating storage stability



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Questions?







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