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JD-2000 

## JD-2000 Dispersant

### TEST RESULTS FOR JD-2000

- [Louisiana State University](#)

These reports were prepared under contract between Louisiana State University and the Louisiana Oil Spill Coordinator's Office/Office of the Governor, Louisiana Applied and Educational Oil Spill Research and Development Program.

- [Dispersant Effects on Salt Marsh Vegetation: Toxicity Evaluation \(pdf\)](#) [\(text only\)](#)  
See how JD-2000 performed in Louisiana's native salt marshlands...
- [Dispersant Effects on Fresh Marsh Vegetation: Toxicity Evaluation \(pdf\)](#) [\(text only\)](#)  
See how JD-2000 performed in Louisiana's native fresh marshlands...
- [NATO/CCMS Oil Spill Response Workshop](#)

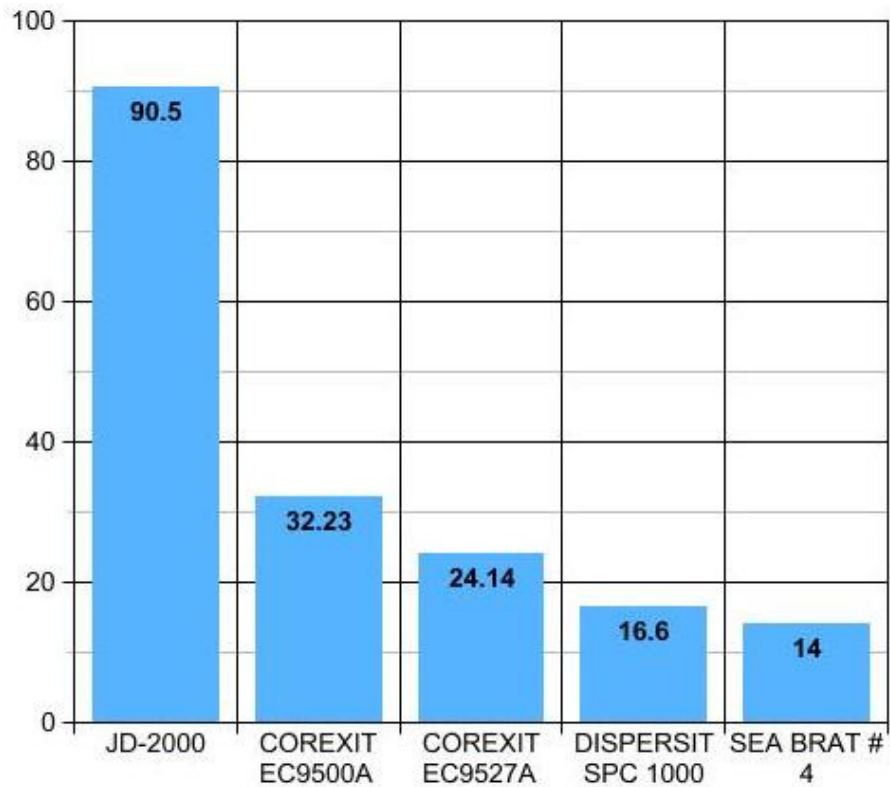
#### [Effectiveness of Dispersants on Oil Spills for Coastal Habitat Protection as a Function of Types of Oil and Dispersant \(pdf\)](#)

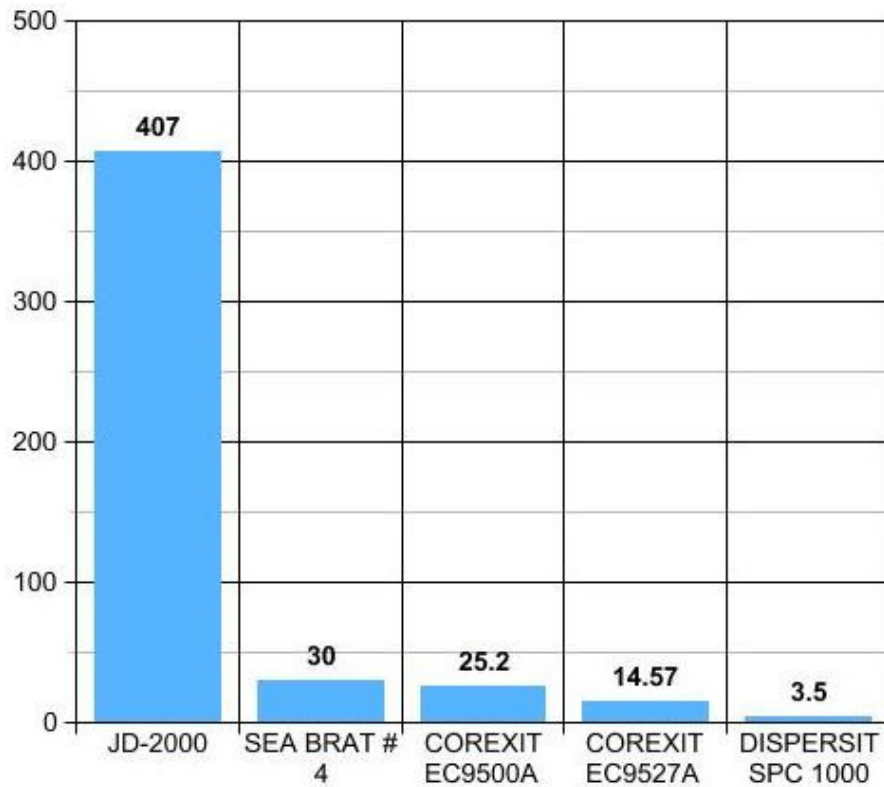
"JD-2000 appears to be better than the Corexit-9500 in terms of relieving the impacts of SLC oil to plants."

### Test Results as shown on NCP/EPA Product Schedule

## Low Toxicity

### Mysidopsis Bahia 48-hr Toxicity Test LC50 (ppm)

**In the Mysidopsis Bahia 48-hr Toxicity Test****Corexit EC9500A is 2.8 times more toxic than JD-2000****Corexit EC9527A is 3.7 times more toxic than JD-2000****Dispersit SPC 1000 is 5.4 times more toxic than JD-2000****Sea Brat #4 is 6.4 times more toxic than JD-2000****Menidia Beryllina 96-hr Toxicity Test LC50 (ppm)**



#### **In the Menidia Beryllina 96-hr Toxicity Test**

**Sea Brat #4 is 13.5 times more toxic than JD-2000**

**Corexit EC9500A is 16 times more toxic than JD-2000**

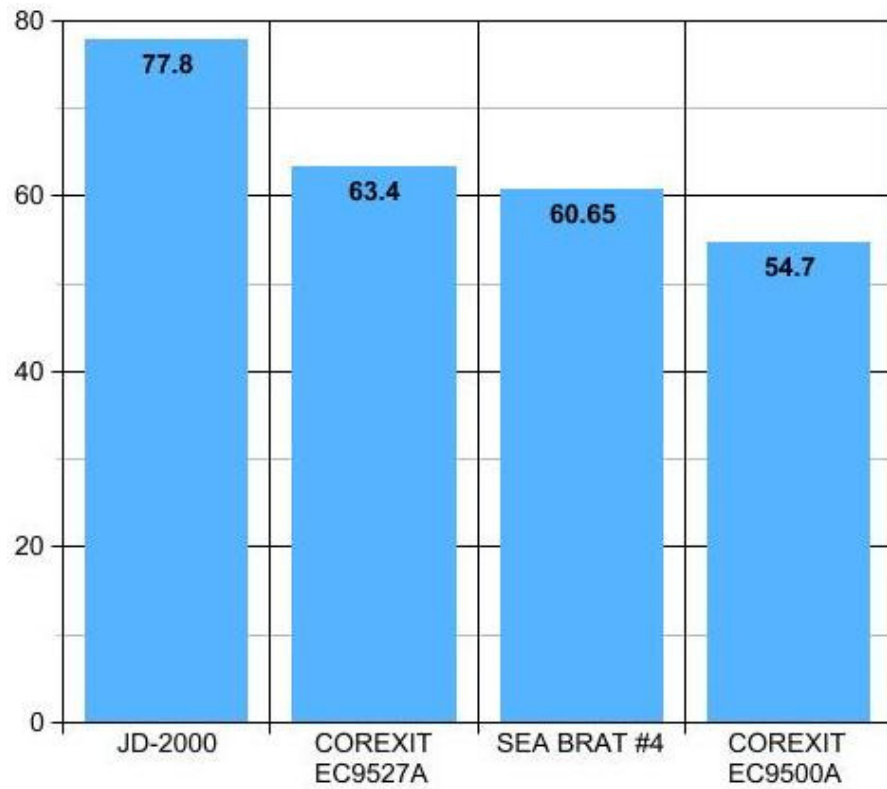
**Corexit EC9527A is 27.9 times more toxic than JD-2000**

**Dispersit SPC 1000 is 116 times more toxic than JD-2000**

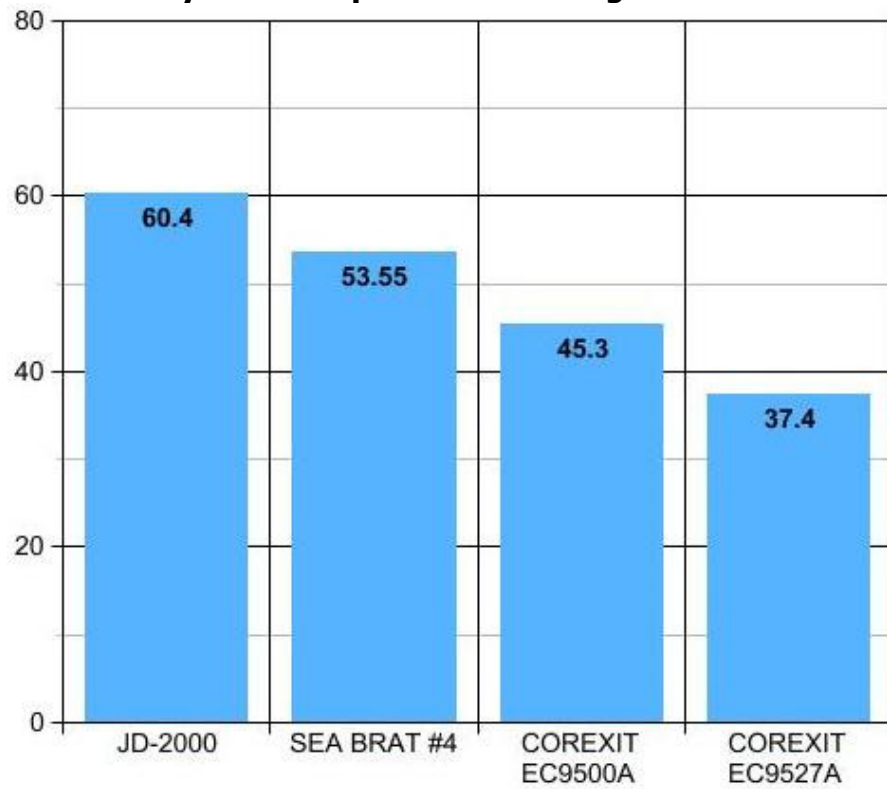
## **High Dispersion**

**Swirl Flask Tests as reported by the EPA**

**South Louisiana Crude Dispersion Percentage Rates**



### Prudhoe Bay Crude Dispersion Percentage Rates



### Facts about JD-2000:

- Can be



used  
in  
salt,



brackish, and fresh water applications

- **Lowest in toxicity compared to other available dispersants**
- **High Dispersion Rate**
- **Not an "emulsifier", eliminating EPA concerns of emulsifying effects on oil spills and slicks**
- **Not a "sinker", eliminating EPA concerns with the dispersant industry**
- **Not "microbe dependent", eliminating temperature and environmental concerns**
- **If favorable conditions exist, microbes can be added**
- **Listed on the EPA's Product Schedule**
- **Proven to decrease mortality rates of plants contaminated with oil**
- **Proven to increase photosynthesis of plants contaminated with oil**
- **[MSDS FOR JD-2000](#)**



#### **EPA NCP Product Schedule Listing for JD-2000**

This listing does NOT mean that EPA approves, recommends, licenses, certifies, or authorizes the use of JD-2000 on an oil discharge. This listing means only that data have been submitted to EPA as required by subpart J of the National Contingency Plan, Sec. 300.915.



#### **Louisiana Oil Spill Research & Development Program**



#### **Louisiana Oil Spill Coordinator's Office**