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CONTAINS NO CBI



Shell Oil Company

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P.O. Box 4320  
Houston, Texas 77210



8EHQ-94-12964  
INIT 04/12/94

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April 7, 1994



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Document Processing Center (TS-790)  
Office of Toxic Substances  
U.S. Environmental Protection Agency  
401 M Street, S.W.  
Washington, D.C. 20460  
ATTN: 8(e) Coordinator

REC'D  
OFFICE OF POLLUTION  
PREVENTION AND TOXICS  
21 APR 12 11 31 AM '94

Dear Sir:

SUBJECT: PRELIMINARY AQUATIC TOXICITY OF NEODOL® 23-6.5 (CAS# 66455-14-9) IN SELENASTRUM CAPRICORNUTUM

The following information is submitted under TSCA 8(e).

The 96-hr EC<sub>50</sub> in Selenastrum capricornutum was between 0.32 and 8.0 mg/L based on nominal concentrations in a preliminary rangefinder study.

Attached is a copy of the preliminary data transmission from the contracting laboratory, Wildlife International Ltd. The complete report will be sent to the Agency when available.

This report is filed to provide information EPA may find useful. In no way is it intended as a waiver of any rights or privileges belonging to Shell Oil Company as the reporting corporation, its agents or employees. The reporting corporation, its agents and employees, reserve the right to object to this report's use or admissibility in any subsequent judicial or administrative proceeding against the corporation, its agents or employees.

This report has been compiled based on information available as of the date of filing. The corporation, its agents and employees reserve the right to supplement the data contained in this report, and to revise and amend any conclusions drawn therefrom.

5-13-94

This report contains no confidential business information.

The following person should be contacted if you have questions or a need for discussion.

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Very truly yours,



R. N. Shulman, General Manager  
Health, Safety, and Environment  
Shell Oil Company

THG/sjh

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PS&C D File

LSO  
SIRM-RSRH/2  
CMSE/2

WILDLIFE INTERNATIONAL LTD.

RESULTS OF RANGE-FINDING TEST WITH THE FRESHWATER ALGA (*Selenastrum capricornutum*)

Preliminary results not audited by Quality Assurance

SPONSOR: Shell Development Company

WIL PROJECT NO.: 109A-119

TEST SUBSTANCE: Neodol® 23-6.5

Test Concentration (mg/L)	Day 5 Cell Density	Percent Inhibition
Negative Control	2,320,000	---
0.32	3,080,000	-33
1.6	980,000	58
8.0	22,000	99
40	13,000	99
200	16,000	99
1000	11,000	100

Proposed Definitive Test Concentrations (mg/L)

Controls	0.25	0.50	1.0	2.0	4.0	8.0
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Sponsor Approval:

Use the above proposed test concentrations

Initials/Date

Use the following test concentrations: \_\_\_\_\_

Please initial and date the appropriate box above and return via facsimile at (410) 822-8915.