

Shell Oil Company

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Roy D. Gerard
Vice President
Health, Safety & Environment

December 4, 1991

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 (CAP Agreement)

Dear Sir:

SUBJECT: A LIST OF STUDIES AND OR REPORTS OF INFORMATION WHICH
IS SUBMITTED UNDER UNIT II.B.3 OF THE COMPLIANCE AUDIT
PROGRAM PURSUANT TO THE TERMS OF AGREEMENT BETWEEN
SHELL OIL COMPANY AND THE ENVIRONMENTAL PROTECTION
AGENCY AND DEFINED BY UNIT II.B.1.C. OF SAID AGREEMENT.

IDENTIFICATION NUMBER: 8ECAP-0050

REFERENCE: SHELLCAP-68

The enclosed information was found in an audit being conducted within Shell Oil Company under the Terms of Agreement of EPA's Compliance Audit Program. It is being submitted pursuant to the TSCA 8(e) Compliance Audit Program and the EPA-Shell CAP Agreement (ID. No. 8ECAP-0050).

The enclosed information is from a 90-day inhalation study in two strains of rats and one strain of mice designed to evaluate potential subchronic toxicity effects of epichlorohydrin. The results were reported as HSE-79-0124 (00448) Epichlorohydrin - subchronic studies I. A 90-day inhalation study in laboratory rodents (Fischer 344 rats, Sprague-Dawley rats and B6C3F1 mice).

The Category of the information: the enclosed information is categorized as Category (ii), i.e., FYI.

The date of the submission: February, 1979

The EPA OTS FYI filing number: FYI-AX-0279-00

JR9132901.KID - 0001.0.0

CMA 115362

The associated chemical substance is:

Epichlorohydrin, CAS No. 106-89-8

The enclosed information indicates that: Epichlorohydrin caused treatment-related degenerative, inflammatory and reactive histopathologic changes in the epithelium of the nasal turbinates following exposure to 25 or 50 ppm. The changes were observed with some degree of species and strain variability, with the most severe effects being seen in the nasal turbinates of Sprague-Dawley rats and the least severe effects in B6C3F1 mice; Fischer 344 rats had an intermediate degree of severity.

This information is being submitted under the TSCA 8(e) CAP based on possible target organ (nasal turbinates) effects.

No Premanufacture Notices have been sent by Shell to the Agency on this chemical. The following TSCA 8(e) reports have been submitted on epichlorohydrin by Shell:

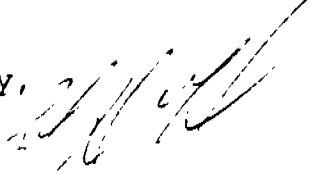
8EHQ-0878-230
8EHQ-0978-230
8EHQ-1078-230
8EHQ-0579-230
8EHQ-0481-230
8EHQ-0883-230
8EHQ-0889-230
SHELLCAP-40 (Nov. 8, 1991)
SHELLCAP-67 (Dec. 4, 1991)

This information is not considered confidential business information.

For further discussion, please contact the following:

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Telephone No. 713-241-6958
Fax. 713-241-3325

Sincerely,



KID/jr

Enclosure

JR9132901.KID - 0002.0.0

CMA 115363

bc: w/o Attachments - Shell Internal

G. A. Van Gelder
K. L. Colbert
K. I. Darmer, Jr.
E. Kenyon
R. Gingell (TOX-126)
PS&C D File

bc: w/o Attachments - External U.S.A.

CMA
Dow Chemical Company

bc: w/Attachments

G. T. Youngblood
M. Burton-Jones (SHELLCAP-68)
HS&E AS (1)