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October 6, 2003



Document Processing Center
EPA East (Mail Code 7407M)
Attn: TSCA Section 8(e)
U.S. Environmental Protection Agency
1201 Constitution Avenue, NW
Washington, DC 20460-0001

Contain NO CBI



Dear Madam or Sir:

Enclosed are summaries of 43 toxicology studies conducted by or for Degussa AG in Germany. These summaries reflect the results of one or more studies conducted on each of 21 chemical substances. Twelve of the summaries include information which we are reporting pursuant to Section 8(e) of the Toxic Substances Control Act (TSCA). The remaining nine studies include information that suggests that the test substance may cause adverse health or environmental effects at high exposure levels. However, because these substances are manufactured or imported in the United States only in limited quantities for use as intermediates in chemical synthesis, they do not currently present a substantial risk to health or the environment. We are therefore submitting them to EPA on a "For Your Information" basis.

These 21 summaries are being submitted pursuant to a data review that Degussa is conducting in connection with its implementation of a new computer system that will permit Degussa Corporation in the United States to access data previously available only to Degussa AG in Germany. Recognizing that a large number of these studies might need to be reported under TSCA 8(e), Degussa proactively contacted EPA in mid 2002 and proposed to review the studies in batches and submit any 8(e) reportable data to EPA within 15 business days (now 30 calendar days) of completing its review of each batch. Degussa estimated that the review would take approximately six month to complete. In a memorandum received in November 2002, the Agency concurred in this approach.

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MR 270435

These studies were made available to Degussa Corporation in April 2003. Degussa's toxicologists in Germany have reviewed more than 750 studies on approximately 100 chemical substances and prepared English summaries of the results of 70 studies for evaluation by scientists in the United States for reporting under TSCA Section 8(e). This submission represents Degussa's review of this first batch of studies by our scientists in Germany and the United States, which was completed on September 12, 2003. Degussa has determined that approximately 1500 studies remain to be reviewed. As we have separately informed Ms. Ann Pontius of the Toxics and Pesticides Enforcement Division, we estimate that the review of the remaining studies will take an additional nine months to complete. We will continue to submit reportable and FYI studies to EPA as our review of subsequent batches is completed.

We appreciate your attention to this matter and request your comments regarding the approach we have taken. Please do not hesitate to call me at (973) 541-8047 if you have any questions or wish to discuss this matter further.

Best regards,

A handwritten signature in cursive script, reading "Shaun Clancy". The signature is written in black ink and is positioned above the printed name.

Shaun F. Clancy, Ph.D.

From **10/13/00**
 To **10/13/00**

Sender's Name **S. Clancy** Phone **933 511 8017**

Company **Deuss Corporation**

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2 Year Internal Billing Reference

3 To Recipient's Name **JSCA (e) Coordinator** Phone **202 584-9440**

Company **US EPA - Document Control Office**

Address **OPPTS, 3402**

City **Washington** State **DC** ZIP **20460**



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Memo

To: File
From: Shaun Clancy
CC:
Date: 10/06/03
Re: TSCA 8(e) Review – 544-10-5

One endpoint was provided by Fine Chemicals for 544-10-5 n-Hexylchloride

- Acute Tox to Daphnia (*Daphnia magna*)

This chemical is used as an intermediate in organic synthesis and is not expected to be used in a way such that human exposure outside of an industrial setting will occur or that an environmental exposure will result. Appropriate Personal Protective Equipment is specified in the MSDS as is warnings not to allow the substance to be released. When used correctly the risk for human and environmental exposure is minimal.

The results of the acute daphnia tox study indicate a level of toxicity that is of moderate concern but, given the use pattern, the result is probably not reportable under TSCA 8(e). The result will be submitted on an FYI basis.

CC: [illegible] [illegible]

Fax

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Germany

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Pages (total): 03

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cc: Dr. W. Mayr/FC-TME-CSM

Fine chemicals
Chemicals Safety
Management

Initial notice of information for possible TSCA 8e submission
n-Hexylchloride, CAS No. 544-10-5

FC-TME-CSM/Dr.Jbi/sch

Dear Shaun,

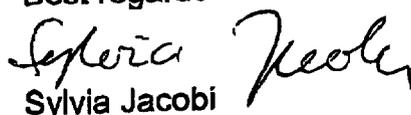
July 14, 2003

please find attached data obtained for the above mentioned
substance for assessment of possible TSCA reportability depending
on the exposure situation.

I am at your disposal for any further questions.

I attach a short summary of the data together with the English
summary of the reports.

Best regards


Sylvia Jacobi

Degussa AG - Head Office: Düsseldorf - Chairman of Supervisory Board: Dr. Werner Müller
Board of Management: Prof. Dr. Utz-Hellmuth Falcht (Chairman of the Board of Management),
Dr. Alfred Oberholz, Dr. Thomas Schoenberg, Heinz-Joachim Wagner - District Court Düsseldorf,
Commercial Register No. 39635 - Commerzbank AG, Düsseldorf, Account 1353010, SWIFT COBADEDD
Degussa Bank GmbH, Frankfurt a. M., Account 390000, SWIFT DEGUDEFF - Deutsche Bank AG, Düsseldorf,
Account 3941820, SWIFT DEUTDEDD - Dresdner Bank AG, Düsseldorf, Account 2121220, SWIFT DRESDEFF 300

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Σ0/10/03 S.01/03 +49 6181 592083

DEGUSSA AG FC-TME-CSM

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**Initial Notice of Information to be assessed for Possible TSCA,
Sec. 8e Reporting**

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Germany

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Fine chemicals
Chemical Safety
Management

July, 14 2003

Name / Trade name of the Substance	n-Hexylchloride
CAS-No.:	544-10-5

Human Health Effects

Environmental Effects

Degussa-Study-No.:	88-0672-DKO
Other Source of information:	

Summary of Adverse Effects:

Source, Degussa AG internal report No. 88-0672-DKO
Guideline: DIN 38412 part 15, non-GLP, laboratory short report
Acute toxicity to invertebrates (Daphnia magna)
EC₅₀: 27.4 mg/l, 48 h

The ecotoxicological data suggest that the test substance is of moderate concern to the aquatic environment

Nature and Extent of Risk Involved:

Depending on the exposure situation.

Information by	Date:
Dr. Sylvia Jacobi FC-TME-CSM	July 14, 2003

HÜLS AG
Ps - Biology/Toxicology

Marl, 10/17/88

Re: Golden orfe test according to DIN 38412 Part 15

Product: HEXYL CHLORIDE, N-

Research Report No.: F930

Registration No. (Ps) 681/880907

Dissolution aid: Marlowet EF

Customer: Dr. Scheubel

Date trial conducted: 10/3/88

The above-referenced product was tested for its ecotoxicologic action on orfes (*Leuciscus idus melanotus*). The concentration of the product that has lethal action on half the test animals is calculated from the dose-response relationship. The exposure time is 48 hr.

The mean lethal concentration is calculated from the test data at

$$LC_{50} = 27.4 \text{ mg/L}$$

[Signature]
(Dr. J. Scheubel)

0 0745/12

Degussa-Hüls AG - REG No. 88 - 0672 - DKO
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