

**elf atochem**

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**Elf Atochem North America, Inc.**

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Office of Toxic Substances  
Environmental Protection Agency  
401 M St. S.W.  
Washington, D.C. 20460  
Attn: Section 8(e) Coordinator



88950000203

Subject: TSCA Section 8(e) Submission

**Contains No CBI**

Dear Sir/Madam:

Elf Atochem North America Inc. has received results of a sensitization study in guinea pigs and is submitting the results of this study to the Environmental Protection Agency (EPA) pursuant to Toxic Substances Control Act (TSCA) Section 8(e). This study provides information on n-heptylamine (CAS No. 111-68-2) and does not involve effects in humans. The title of the study report is Test Pour L'Evaluation Du Pouvoir Sensibilisant, Chez Le Cobaye (Test to Evaluate Sensitizing Potential in the Guinea Pig)

Nothing in this letter is considered confidential business information of Elf Atochem.

The following is a summary of the adverse effects observed in the skin sensitization test.

n-Heptylamine was tested for potential to produce allergic skin reaction by intradermal injection and skin application to guinea pigs using a modified Magnusson and Kligman method. After challenge application, it was concluded that the test material produced evidence of a sensitization reaction in 30% (3/10) animals after application of a 0.25% solution, and in 40% (4/10) animals after application of a 0.5% solution. Additional responses (determined to be allergic and/or irritation reactions after macroscopic and histological evaluation) were noted in the majority of remaining test animals. The test material was concluded to be a

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sensitizer.

In light of the corrosivity of n-heptylamine, which is not unexpected due its strong alkalinity (pH of a 1% solution is 11.8), there is a low potential for repeated, prolonged skin contact with this material. It is the opinion of Elf Atochem that the effects noted in this study do not, therefore, necessarily support a conclusion of substantial health risk, but are being submitted in response to the EPA 8(e) reporting standards.

Results from the study report will be incorporated into the Elf Atochem Material Safety Data Sheet for n-heptylamine.

A copy of the full report will be forwarded to the Agency when it is received.

Further questions regarding this submission may be directed to me at (215) 419-5892.

Sincerely,



C.H. Farr, PhD, DABT  
Manager, Product Stewardship  
and Toxicology

Enclosure