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05 October 2010

TSCA Confidential Business Information Center (7407M)
EPA East - Room 6428 Attn: Section 8(e)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460-0001

8EHQ-0910-18131A

8EHQ-10-18131

Certified Mail **7008 3230 0002 0551 2361**

Re: TSCA 8(e) Substantial Risk Notification for studies involving 3-Pentenenitrile (CASRN 4635-87-4)

Dear sir;

INVISTA is submitting results from an aquatic toxicity study, an oral toxicity study, and a dermal toxicity study for 3-Pentenenitrile (3-PN) (CASRN 4635-87-4). The results are indicated as follows:

- An aquatic toxicity study with *Daphnia magna* exposed for 24 hours to various concentrations of 3-PN determined the EC_{50} to be 50.42 mg/l.
- A mammalian oral toxicity study with Sprague-Dawley rats fed various dosages of 3-PN yielded an oral LD_{50} for males of 46.6 mg/kg. The oral LD_{50} for females was 93.9 mg/kg.
- A mammalian dermal toxicity study with Sprague-Dawley rats exposed to various dosages of 3-PN yielded a dermal LD_{50} for males of 259 mg/kg. The dermal LD_{50} for females was 525 mg/kg.

This notice is being submitted in accordance with current TSCA 8(e) Section Guidance. No determination was made as to whether the findings in this study represent significant health or environmental risks. If you have any questions or need additional information, please contact me at (316) 828-1470.

Sincerely,

William Lesko, PE
Authorized Signatory
TSCA Program Manager

DCN:88110000015

88110000015

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CERTIFIED MAIL™

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EPA United States Environmental Protection Agency

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