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# TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

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| 8EHQ-11- 18222 | 88110000106 | 1/5/11 |

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DuPont Haskell Global Centers
for Health and Environmental Sciences
1090 Elkton Road, P.O. Box 50
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January 4, 2011

8EHQ-0111-18222A
DCN: 88110000106

Via Federal Express

Document Processing Center (Mail Code 7407M)
Room 6428
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004

8EHQ-11-18222

Dear 8(e) Coordinator:

2-propenoic acid, methyl ester
CAS # 96-33-3

This letter is to inform you of the results of pre-1977 study, which we recently became aware of with the above-referenced test substance.

Primary irritation and sensitization were evaluated in guinea pigs. In the first irritation test, 0.05 ml of 50% test substance in dimethylsulfoxide (DMSO) was applied to the shaved intact skin of 10 male guinea pigs (Group I). The treated skin of each guinea pig was immediately occluded with a piece of tin foil secured by tape and the trunk of was wrapped in rubber dam for 24 hours. One animal died from internal hemorrhaging, most likely due to injury from wrapping. Two days later, a second irritation test was conducted on the same guinea pigs by applying 0.05 ml of 100% and 50% test substance in DMSO to non-occluded shaved intact skin. Sensitizing treatments given over a two-week-period consisted of six intraperitoneal injections of 1 ml of 10% test substance. Another group of three guinea pigs (Group II) was given similar treatments with 1 ml DMSO. After a week's rest period, the guinea pigs (Groups I and II) received challenge applications of 50% and 25% test substance in DMOS applied to occluded skin (Challenge A). DMSO was also applied as a control solvent for Group I, and as a challenge application for Group II. A third set of guinea pigs, Group III, which had not been previously exposed to either material, received similar applications of test substance in DMSO as controls for the challenge test. A second challenge test (challenge B) was given one week later to all three groups of pigs using 10% and 5% solutions of test substance in DMSO. Test substance did not cause sensitization. Test substance at 5% to 50% in DMSO caused necrosis on the occluded skin and at 50% and 100% in DMSO caused mild to no irritation on the non-occluded skin of guinea pigs.

This information is submitted in accordance with current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substances Control Act or, where it is not clear that reporting criteria have been met, it is submitted as a precautionary measure and because it is information in which EPA may have an interest.

Sincerely,

S. Satheesh Anand, Ph.D., DABT
Senior Research Toxicologist

SSA/RV: clp
(302) 366-5314

88110000106

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Third business day.* Saturday Delivery NOT available.

**4b Express Freight Service** ** To most locations. *Packages over 150 lbs.*

☐ FedEx 1Day Freight
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FedEx 1Day Freight Booking No.

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As per attached Shipper's Declaration.

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