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Arkema Inc.
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October 28, 2011

TSCA Document Control Officer (7407M)
EPA East – Room 6428 Attn: Section 8(e)
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
1201 Constitution Ave., NW
Washington, DC 20004-3302



Subject: TSCA 8(e) Submission 8EHQ-11-18412

Dear Sir/Madam:

Arkema Inc. (Arkema) is making this submission to the U.S. Environmental Protection Agency (EPA) pursuant to Toxic Substances Control Act (TSCA) Section 8(e). The submission provides supplemental information for information submitted previously (see reference number above) on a dose range-finding study conducted to assess chronic toxicity to Daphnia magna of dimethyl disulfide (CAS# 624-92-0).

The definitive study is now completed. The concentrations used in the definitive study were 0 (control), 0 (vehicle control; 0.025 mL dimethyl formamide/L), 0.0013, 0.0025, 0.0050, 0.010, 0.020 mg a.i./L.

The NOEC, LOEC, and MATC values have now been defined. The NOEC for adult survival and days to first brood was 0.020 mg/l; the LOEC for adult survival and days to first brood was greater than 0.020 mg/l. The adult length parameter NOEC was 0.010 mg/l, the LOEC was 0.020 and the MATC was 0.014 mg/l. For reproduction, the NOEC was 0.0025 mg/l, the LOEC was 0.0050 mg/l and the MATC was 0.0035 mg/l

Nothing in this letter is considered confidential business information of Arkema Inc.

Arkema Inc. has not made a determination at this time that any significant risk of injury to the environment is presented by these preliminary findings. This information is submitted in accordance with the Arkema Inc.'s understanding of 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.

Questions regarding this submission may be directed to me at 610-205-7820 or via e-mail at debra.randall@arkema.com.

Sincerely,

Debra Randall
Debra Randall, DABT
Manager, Product Safety



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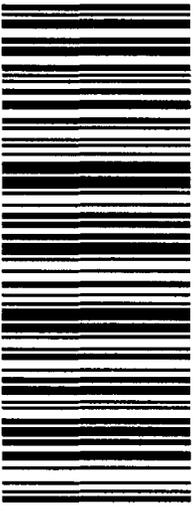
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<p>MICHELE MULLER 610-205-7070 ARKEMA INC. 900 FIRST AVENUE KING OF PRUSSIA PA 194061308</p> <p>SHIP TO: SECTION 8(E) EPA EAST, RM 6428 USEPA TSCA DOC.CON. OFF. (7407M) 1201 CONSTITUTION AVE., NW OFF. OF POLL. PREVENT. & TOXICS WASHINGTON DC 20460-0006</p>	<p>0.0 LBS LTR</p> <p>1 OF 1</p> <p>MD 201 9-80</p> 	<p>UPS NEXT DAY AIR</p> <p>TRACKING #: 1Z OE0 394 01 9488 3429</p> <p>1</p>		<p>BILLING: P/P</p> <p>Arkema: 863100</p> <p>CS 13 6 08 WNTES0 21 0A 10/2011</p> 
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