

ORIGINAL

TSCA NON-CONFIDENTIAL BUSINESS INFORMATION

DOCUMENT DESCRIPTION	DOCUMENT CONTROL NUMBER	DATE RECEIVED
8EHQ-99-14474	89120000319	4/6/12

COMMENTS: 8EFU

DOES NOT CONTAIN CBI

MR # 343322

RECEIVED
OPPT CBIC



2012 APR -6 AM 9:56

DuPont Haskell Global Centers
for Health and Environmental Sciences
1090 Elkton Road, P.O. Box 50
Newark, DE 19714-0050

April 5, 2012

8EHQ-0412-14474B

Via Federal Express

89120000319

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



Dear 8(e) Coordinator:

8EHQ-0699-14474A
Pentanoic acid, 4,4'-azobis[4-cyano-
CAS No. 2638-94-0

This letter is to inform you of the results of the toxicity studies with the above referenced test substance.

Acute Algal Toxicity

The effect of the test substance on the growth of the unicellular green alga *Selenastrum capricornutum* was assessed under non-axenic conditions. Duplicate algal cultures, with an initial cell density of 1×10^4 /mL, were exposed to the test substance at nominal concentrations of 0.01, 0.1, 1, 10 and 100 mg/L. The cultures were incubated without renewal of medium for 72 hours under continuous illumination. The 72-hour EC50 value was 35.6 mg/L.

Acute Daphnia Toxicity

The acute toxicity of the test substance to *Daphnia magna* was assessed under static exposure conditions. Groups of ten *Daphnia*, less than 24 hours old, were exposed for 48 hours to the test substance at nominal concentrations of 0.01, 0.1, 1, 10 and 100 mg/L. Observations of the *Daphnia* in each control and test vessel were made after 24 and 48 hours. After 48 hours, the lowest nominal concentration resulting in 100% immobility was 100 mg/L and the highest nominal concentration at which no immobilization occurred was 10 mg/L. The 48-hour EC50 value was estimated to be 31.6 mg/L.

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/TLS: jhh
(302) 366-5314



FedEx Tracking Number 875380292366

1 From This portion can be removed for Recipient's records.

Date FedEx Tracking Number 875380292366

Sender's Name

Phone

Company

Address

Dept./Floor/Suite/Room

City

State ZIP

2 Your Internal Billing Reference

3 To Recipient's Name

Company

Phone

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

State ZIP



8753 8029 2366

SPH21

Recipient Copy

0215

4a Express Package Service *To meet locations. Packages up to 150 lbs.

- FedEx Priority Overnight Next business morning. *Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
FedEx Standard Overnight Next business afternoon. *Saturday Delivery NOT available.
FedEx Express Saver Second business day. **Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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

- FedEx 1Day Freight Next business day. **Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
FedEx 2Day Freight Second business day. **Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
FedEx 3Day Freight Third business day. *Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

- FedEx Envelope*
FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak.
FedEx Box
FedEx Tube
Other

6 Special Handling and Delivery Signature Options

- SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx Express Saver, or FedEx 3Day Freight.
Indirect Signature No signature required. Someone at recipient's address may sign for delivery. Fee applies.
Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

Does this shipment contain dangerous goods?

- No Signature Required Package may be left without obtaining a signature for delivery.
No Yes As per attached Shipper's Declaration not required.
Dry Ice Dry Ice 9, UN 1845
Cargo Aircraft Only

7 Payment Bill to:

- Sender Account Section
Recipient
Third Party
Credit Card
Cash/Check
Enter FedEx Acct. No. or Credit Card No. below.
Obtain recip Acct. No.

Total Packages Total Weight lbs

605

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.