

Textile Products Division  
CIBA-GEIGY Corporation  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300  
Telephone 919 632 6000

# CIBA-GEIGY

Contains NO CBI

92 SEP 10 PM 1:20

(A)

8EHQ-92-12137  
INIT  
88920010375

September 4, 1992

Document Processing Center (TS-790)  
Office of Toxic Substances  
Environmental Protection Agency  
401 M. Street, SW  
Washington, DC 20460

**Attention: Section 8(e) Coordinator (CAP Agreement)**

**RE: 8E CAP - 0024**

Dear Section 8(e) Coordinator:

Enclosed are the original and two copies of a study CIBA-GEIGY Corporation is submitting pursuant to the TSCA Section 8(e) Compliance Audit Program and CAP Agreement number 8E CAP-0024. We are submitting the following information, as required by the CAP Agreement:

Company Name: CIBA-GEIGY Corporation  
444 Saw Mill River Road  
Ardsley, New York 10502-2699

Attention: Mr. Anthony Di Battista  
Manager, Regulatory Affairs & Toxic Substances  
Compliance  
Telephone (914) 479-2776

Tested Chemical: Benzenesulfonic acid, m-[[4-(p-ethoxyphenyl)azo]-;

CAS No. 25124-87-2

Report Title: Acute Dust Inhalation Toxicity in Osborne-Mendel Rats (Report No. 65, dated May 16, 1977)

Summary: Five rats/sex were exposed to the test material for one hour at an estimated mean concentration of 354.6 mg/m<sup>3</sup>. There were no deaths during the exposure, but 1/5 males and 2/5 females died following exposure. Post mortem examinations showed marked pulmonary changes (hemorrhagic areas throughout). Although the information reported is insufficient to estimate an accurate LC<sub>50</sub>, this report is submitted based on the inhalation toxicity potential suggested by the limited data.



"THE POWER OF PARTNERSHIP"  
Textile Products Division

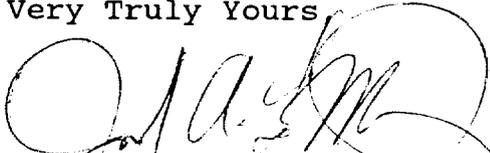
mm  
12/1/94

Category: Unit II.B.2.b

Prior Reporting: Not Applicable

Please call the undersigned at telephone number (919) 632-2889  
if you have any questions about this submittal.

Very Truly Yours

A handwritten signature in black ink, appearing to read 'J. A. LoMenzo', written over a circular stamp or mark.

Joseph A. LoMenzo, Ph.D.  
Product Stewardship Director  
Textile Products Division

Enclosures

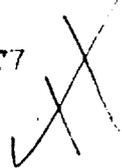
2 copies of this letter

3 copies of the study

cc: A. Di Battista

Mailing Address:  
RESEARCH AND TEACHING CENTER  
OF TOXICOLOGY  
SCHOOL OF MEDICINE  
P. O. BOX 248216

W. B. DEICHMANN, PH.D., MD (HON.)



Location:  
SOUTH CAMPUS  
BUILDING 6

ACUTE DUST INHALATION TOXICITY in OSBORNE-MENDEL RATS

UM NO. 27A Acid Orange 3RN, Mix 36 (TRC 119500)  
TFCTILON ORANGE 3R 44/135297/100/0

Test material: compound dried over night at 60° C. Color: Orange

No. of rats exposed: 5 males ( 193 - 245 gm )  
5 females ( 176 - 195 gm )

Capacity of exposure chamber: approx. 300 liters

Exposure time: one hour

Dust "dropped" into exposure chamber - during (one-hour exposure: 570 gm  
(through 60 mesh sieve, opening 0.25 mm)

Air flow into exposure chamber: 41.5 liters/minute

Air flow through MSA Dust Sampler (5.0 micron MSA filter): 8.4 liters/minute

Temperature in exposure chamber: 23 °C.

Atmospheric pressure and humidity in laboratory: 764 mmHg, 69 %

RESULTS:

Concentrations in exposure chamber, one minute samples taken  
5 min. 0.4702 , 30 min. 0.3250 , and 50 min. 0.2688 mg/l.

Mean concentration of compound in exposure chamber: 0.3546 mg/l or 354.6 mg/m<sup>3</sup>.

Mortality during exposure: males: 0/5 females: 0/5  
Mortality after exposure: males: 1/5 females: 2/5

Mean gain in body weight males: 31 gm (5 to 45 gm)  
during (14 days) after exposure: females: 9 gm (7 to 11 gm)

SIGNS OF INTOXICATION AND CONCLUSIONS: There were no specific signs of intoxication other than lethargy from which the animals recovered in 24 hours. However, all animals lost weight markedly during the first week (the males from 25 to 43 gm and the females from 18 to 37 gm). One male and two females died during the night on the 7th day after exposure. Even though post mortem changes were marked, marked pulmonary changes (hemorrhagic areas throughout and some emphysema) were evident. During the second week all surviving animals regained some of their body weight, the males a mean of 31 gm, (from 5 to 45 gm) the females gained a mean of 9 gm (from 7 to 11 gm).

*Wm. B. Deichmann*  
Wm. B. Deichmann, PhD, MD(hon)  
Professor of Pharmacology



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

Joseph A. LoMenzo, Ph.D.  
Product Stewardship Director  
Textile Products Division  
CIBA-GEIGY Corporation  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

FEB 27 1995

EPA acknowledges the receipt of information submitted by your organization under Section 8(e) of the Toxic Substances Control Act (TSCA). For your reference, copies of the first page(s) of your submission(s) are enclosed and display the TSCA §8(e) Document Control Number (e.g., 8EHQ-00-0000) assigned by EPA to your submission(s). Please cite the assigned 8(e) number when submitting follow-up or supplemental information and refer to the reverse side of this page for "EPA Information Requests".

All TSCA 8(e) submissions are placed in the public files unless confidentiality is claimed according to the procedures outlined in Part X of EPA's TSCA §8(e) policy statement (43 FR 11110, March 16, 1978). Confidential submissions received pursuant to the TSCA §8(e) Compliance Audit Program (CAP) should already contain information supporting confidentiality claims. This information is required and should be submitted if not done so previously. To substantiate claims, submit responses to the questions in the enclosure "Support Information for Confidentiality Claims". This same enclosure is used to support confidentiality claims for non-CAP submissions.

Please address any further correspondence with the Agency related to this TSCA 8(e) submission to:

Document Processing Center (7407)  
Attn: TSCA Section 8(e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
Washington, D.C. 20460-0001

EPA looks forward to continued cooperation with your organization in its ongoing efforts to evaluate and manage potential risks posed by chemicals to health and the environment.

Sincerely,

Terry R. O'Bryan  
Risk Analysis Branch

Enclosure

12137A



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**Triage of 8(e) Submissions**

Date sent to triage: MAR 29 1995

NON-CAP

CAP

Submission number: 12137A

TSCA Inventory:

Y

N

D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO

AQUATO

Group 2 - Ernie Falke (1 copy total)

ATOX

SBTOX

SEN

w/NEUR

Group 3 - Elizabeth Margosches (1 copy each)

STOX

CTOX

EPI

RTOX

GTOX

STOX/ONCO

CTOX/ONCO

IMMUNO

CYTO

NEUR

Other (FATE, EXPO, MET, etc.): \_\_\_\_\_

Notes:

**THIS IS THE ORIGINAL 8(e) SUBMISSION; PLEASE REFILE AFTER TRIAGE DATABASE ENTRY**

<b>For Contractor Use Only</b>	
entire document: <u>0</u> 1 2 pages <u>1, 2</u>	pages <u>1, 2, 3</u>
Notes:	
Contractor reviewer: <u>POK</u>	Date: <u>1/18/95</u>

CECATS TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA: Submission # BEHQ: 0992-12137 SEQ. #           

TYPE: INT SUPP FLWP  
SUBMITTER NAME: Ciba-Geigy Corporation

INFORMATION REQUESTED: FLWP DATE:             
0501 NO INFO REQUESTED  
0502 INFO REQUESTED (TEC1)  
0503 INFO REQUESTED (VOL. ACTIONS)  
0504 INFO REQUESTED (REPORTING RATIONAL F)  
DISPOSITION:  
0578 REFER TO CHEMICAL SCREENING  
0578 CAP NOTICE

VOLUNTARY ACTIONS:  
0401 NO ACTION REPORTED  
0402 STUDIES PLANNED IN FUTURE  
0403 NOTIFICATION OF WORK IN PROGRESS  
0404 LABEL/MSDS CHANGES  
0405 PROCESS/ANDI INC. CHANGES  
0406 APPAUSE DISCONTINUED  
0407 PRODUCTION DISCONTINUED  
0408 CONFIDENTIAL

SUB. DATE: 09/04/92 OTS DATE: 09/10/92 CSRAD DATE: 12/01/94

CHEMICAL NAME: Acid Orange 3RN CAS # 25124-87-2

INFORMATION TYPE:	P.F.C.	INFORMATION TYPE:	P.F.C.	INFORMATION TYPE:	P.F.C.
ONCO (HUMAN)	01 02 04	EPICLIN	01 02 04	IMMUNO (ANIMAL)	0241
ONCO (ANIMAL)	01 02 04	HUMAN EXPOS (PROD CONTAM)	01 02 04	IMMUNO (HUMAN)	0242
CELL TRANS (IN VITRO)	01 02 04	HUMAN EXPOS (ACCIDENTAL)	01 02 04	CHEM/PHYS PROP	0243
MUTA (IN VITRO)	01 02 04	HUMAN EXPOS (MONITORING)	01 02 04	CLASTO (IN VITRO)	0244
MUTA (IN VIVO)	01 02 04	ECO/AQUA TOX	01 02 04	CLASTO (ANIMAL)	0245
REPRO/TERATO (HUMAN)	01 02 04	ENV. OCCUR/ELFATE	01 02 04	CLASTO (HUMAN)	0246
REPRO/TERATO (ANIMAL)	01 02 04	EMER INCI OF ENV CONTAM	01 02 04	DNA DAM/REPAIR	0247
NEURO (HUMAN)	01 02 04	RESPONSE REQEST DELAY	01 02 04	PRODAUSE/PROC	0248
NEURO (ANIMAL)	01 02 04	PROD/COMP/CHEM ID	01 02 04	MSDS	0251
ACUTE TOX. (HUMAN)	01 02 04	REPORTING RATIONALE	01 02 04	OTHER	0299
CHR. TOX. (HUMAN)	01 02 04	CONFIDENTIAL	01 02 04		
ACUTE TOX. (ANIMAL)	01 02 04	ALLERG (HUMAN)	01 02 04		
SUB ACUTE TOX (ANIMAL)	01 02 04	ALLERG (ANIMAL)	01 02 04		
SUB CHRONIC TOX (ANIMAL)	01 02 04	METAB/PHARMACO (ANIMAL)	01 02 04		
CHRONIC TOX (ANIMAL)	01 02 04	METAB/PHARMACO (HUMAN)	01 02 04		

TRIAGE DATA: NON-CBI INVENTORY  
YES (YES) NO  
CAS SR NO  
IN P P M I N I  
R F T R

ONGOING REVIEW  
YES (DROP/PREFER)  
NO (CONTINUE)  
SPECIES RAT  
TOXICOLOGICAL CONCERN:  
LOW  
MEID  
HIGH

USE: PRODUCTION:

-CPSS-

> <ID NUMBER>

8(E)-12137A

> <TOX CONCERN>

M

> <COMMENT>

ACUTE INHALATION TOXICITY IN MALE AND FEMALE OSBORNE-MENDEL RATS IS OF MEDIUM CONCERN. SINGLE ONE-HOUR WHOLE-BODY EXPOSURES TO A MEAN ATMOSPHERIC CONCENTRATION OF 354.6 MG/M3 TO 5 MALE AND 5 FEMALE RATS WERE ASSOCIATED WITH SIGNS OF TISSUE-SPECIFIC TOXICITY AND DEATH OF 1/5 MALE AND 2/5 FEMALE RATS, ALL ON THE 7TH DAY FOLLOWING EXPOSURE. POSTMORTEM NECROPSY REVEALED HEMORRHAGIC AREAS THROUGHOUT THE LUNGS AND SOME EMPHYSEMA IN DECEDENT ANIMALS. LETHARGY CHARACTERIZED THE CLINICAL BEHAVIOR OF ALL ANIMALS FOLLOWING EXPOSURE AND GENERALIZED WEIGHT LOSS WAS NOTED DURING THE FIRST WEEK.

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