



8EHQ-1294-13295

2030 DOW CENTER
December 23, 1994

The Dow Chemical Company
Midland, Michigan 48674



8EHQ-94-13295
INIT 12/29/94

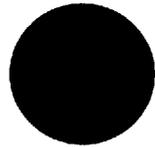
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CERTIFIED MAIL--RETURN RECEIPT
REQUESTED

CONTAINS NO CONFIDENTIAL
BUSINESS INFORMATION

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

ORIGINAL



Attn: 8(e) Coordinator

Re: Diethylenetriamine (DETA)
CAS # 111-40-0

Contains No CBI

Dear Sir/Madam:

The following information is being submitted by The Dow Chemical Company (Dow) pursuant to current guidance issued by EPA indicating EPA's interpretation of Section 8(e) of the Toxic Substance Control Act. Dow has made no determination as to whether a significant risk of injury to health or the environment is actually presented by the findings.

Diethylenetriamine (DETA) was evaluated in an acute aerosol inhalation study at concentrations of 8.17, 3.07, 1.00, and 0.07 mg/L using F344 rats (5 males and 5 females). The exposures were for 4 hours. All rats at every exposure died from 3 to 7 days after the single 4-hour exposure. Thus the LD50 is less than 0.07 mg/L.

A written report of these results is not yet available.

Sincerely,

Paul A. Wright

Paul A. Wright
Senior Attorney
Legal Department
517/636-1853



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mm
2/24/95



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

Paul A. Wright
Senior Attorney, Legal Department
The Dow Chemical Company
2030 Dow Center
Midland, Michigan 48674

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

APR 24 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

Terry R. O'Bryan
Risk Analysis Branch

Enclosure

13295A



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contains at least 10% recycled fiber

EPA INFORMATION REQUESTS

Document ID: 8EHQ-1294-13295

EPA requests:

1. No additional information at this time.
2. Additional information or clarification on

3. A full copy of the final report (including the actual experimental protocol, applicable results of gross or histopathologic examinations, data, results of any statistical analyses, etc.) from each study mentioned in your submission.
4. A description of all voluntary actions taken by your company in response to the findings indicated in your submission.
5. A complete copy of the current and/or revised Material Safety Data Sheets and labels for the following chemical(s) listed in your submission:

 _____ _____
 _____ _____
 _____ _____
6.

Please direct questions regarding these requests to Mr. Terry O'Bryan (202-260-3483) or Mr. John Myers (202-260-3543) of the OPPT Risk Analysis Branch.

Triage of 8(e) Submissions

Date sent to triage: _____

NON-CAP

CAP

Submission number: 13295A

TSCA Inventory: Y N D

Study type (circle appropriate):

Group 1 - Dick Clements (1 copy total)

ECO AQUATO

Group 2 - E nie 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

ETHS - 1000~~0~~ mat. at 70 mg/m³

		For Contractor Use Only	
entire document	<input checked="" type="radio"/> 0 <input type="radio"/> 1	pages	<u> — </u>
	2	pages	<u> 1 </u>
Notes:			
Contractor reviewer :	<u> PR </u>	Date:	<u> 4/21/95 </u>



CREATSTRAGE TRACKING DBASE ENTRY FORM

CREATS DATA: Submission # BEIJO 1894-13295 SEQ. A
 TYPE (IND) SUPP FLWP _____
 SUBMITTER NAME: Dow Chemical
Company

INFORMATION REQUESTED: FLWP DATE: _____
 0501 NO INFO REQUESTED
 0502 INFO REQUESTED (TECH)
 0503 INFO REQUESTED (VOL ACTIONS)
 0504 INFO REQUESTED (REPORTING RATIONALE)
 DISPOSITION:
(0639) REFER TO CHEMICAL SCREENING
 0678 CAP NOTICE

VOLUNTARY ACTIONS:
 0601 NO ACTION REPORTED
 0602 STUDIES PLANNED/IN PROGRESS
 0603 NOTIFICATION OF WORK IN PROGRESS
 0604 LABEL/MSDS CHANGES
 0605 PROFESSIONAL/IND. CHANGES
 0606 APP USE DISCONTINUED
 0607 PRODUCTION DISCONTINUED
 0608 CONFIDENTIAL

SUB DATE: 12/23/94 OTS DATE: 12/29/94 CSRAD DATE: 02/24/95

CHEMICAL NAME: DELTA CAS# 111-40-0

INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C	INFORMATION TYPE:	P F C
0201 ONCO (HUMAN)	01 02 04	0216 EPIGLIN	01 02 04	0241 IMMUNO (ANIMAL)	01 02 04
0202 ONCO (ANIMAL)	01 02 04	0217 HUMAN EXPOS (PROD CONTAM)	01 02 04	0242 IMMUNO (HUMAN)	01 02 04
0203 CELL TRANS (IN VITRO)	01 02 04	0218 HUMAN EXPOS (ACCIDENTAL)	01 02 04	0243 CHEM/PHYS PROP	01 02 04
0204 MUTA (IN VITRO)	01 02 04	0219 HUMAN EXPOS (MONITORING)	01 02 04	0244 CLASTO (IN VITRO)	01 02 04
0205 MUTA (IN VIVO)	01 02 04	0220 BOVAQUA TOX	01 02 04	0245 CLASTO (ANIMAL)	01 02 04
0206 REPRO/TERATO (HUMAN)	01 02 04	0221 ENV. OCCUREL/FATE	01 02 04	0246 CLASTO (HUMAN)	01 02 04
0207 REPRO/TERATO (ANIMAL)	01 02 04	0222 BMBR INCI OF ENV CONTAM	01 02 04	0247 DNA DAM/REPAIR	01 02 04
0208 NEURO (HUMAN)	01 02 04	0223 RESPONSE REBEST DELAY	01 02 04	0248 PROD/USE/PROC	01 02 04
0209 NEURO (ANIMAL)	01 02 04	0224 PRODCOMP/CHEM ID	01 02 04	0251 MSDS	01 02 04
0210 ACUTE TOX. (HUMAN)	01 02 04	0225 REPORTING RATIONALE	01 02 04	0299 OTHER	01 02 04
0211 CHR. TOX. (HUMAN)	01 02 04	0226 CONFIDENTIAL	01 02 04		
0212 ACUTE TOX. (ANIMAL)	01 02 04	0227 ALLERG (HUMAN)	01 02 04		
0213 SUB ACUTE TOX (ANIMAL)	01 02 04	0228 ALLERG (ANIMAL)	01 02 04		
0214 SUB CHRONIC TOX (ANIMAL)	01 02 04	0229 METAB/PHARMACO (ANIMAL)	01 02 04		
0215 CHRONIC TOX (ANIMAL)	01 02 04	0240 METAB/PHARMACO (HUMAN)	01 02 04		

TRIAAGE DATA: NON-CBI INVENTORY YES ONGOING REVIEW YES (DROP/REFER) RAT SPECIES RAT TOXICOLOGICAL CONCERN: LOW USE: _____ PRODUCTION: _____
 CAS SR NO NO NO (CONTINUE) NO MED HIGH
 IN TERMINI REPLY

1894-13295 Non-Cap

13295A

H

Acute inhalation toxicity in rats is of high concern. Single 4-hour inhalation exposures to F344 rats (5/sex/group) at concentrations of 70, 1,000, 3,070, and 8,170 mg/m³ were lethal to all exposed animals within 3-7 days.