8EHQ-0993-12701

COMPANY SANITIZED

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September 27, 1993

Express Mail - Return Receipt Requested

8EHQ-93-12701
88930000467
INIT

Document Processing Center (TS-790)
Attention 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460

A

Dear :

Propane, 1,1,1,2,3,3-hexafluoro-
CAS Registry Number 431-63-0

This letter is to inform you of the preliminary results of a recently completed inhalation study.

Three rats per group were exposed to the test material by inhalation. Exposure to atmospheric concentrations of approximately 85,000 and 45,000 ppm for four hours caused incoordination and a reduced response to sound. After the exposure ended the rats recovered quickly and appeared normal. Exposure to an atmospheric concentration of approximately 24,000 ppm for four hours caused hyperactivity for the first ten minutes of the exposure but only a slight reduction in the response to sound. All rats recovered quickly after the end of the exposure. Rats exposed to approximately 14,000 ppm for four hours showed no clinical signs.

The effects described above are being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June, 1991).

The test material is a research chemical and the exposure potential is very limited. We are claiming [red bracket] the company name as confidential business information.

Sincerely,

RECEIVED
10-22-93

Triage of 8(e) Submissions

Date sent to triage: NOV 17 1994

NON-CAP CAP

Submission number: 12721A

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

For Contractor Use Only

entire document: 0 1 2 **pages** 1 **pages** 1

Notes:

Contractor reviewer : POR **Date:** 9/23/94

CECATS\TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
Submission # 8EHQ-0993-12701 (S) SEQ. A

TYPE: (INT) SUPP FLWP

SUBMITTER NAME: Confidential

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:
(0401) NO ACTION REPORTED
0402 STUDIES PLANNED/UNDERWAY
0403 NOTIFICATION OF WORKER/OTHERS
0404 LABEL/MSDS CHANGES
0405 PROCESS/HANDLING CHANGES
0406 APP./USE DISCONTINUED
0407 PRODUCTION DISCONTINUED
0408 CONFIDENTIAL

SUB. DATE: 09/27/93 OTS DATE: 09/27/93 CSRAD DATE: 10/22/93

CHEMICAL NAME: PROPANE, 1,1,1,2,3,3-hexafluoro-

CAS# 431-63-0

INFORMATION TYPE:		P F C	INFORMATION TYPE:		P F C	INFORMATION TYPE:		P F C
0201	ONCO (HUMAN)	01 02 04	0216	EPI/CLIN	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	ECO/AQUA TOX	01 02 04	0245	CLASTO (ANIMAL)	01 02 04
0206	REPRO/TERATO (HUMAN)	01 02 04	0221	ENV. OCCC/REL/FATE	01 02 04	0246	CLASTO (HUMAN)	01 02 04
0207	REPRO/TERATO (ANIMAL)	01 02 04	0222	EMER INCI OF ENV CONTAM	01 02 04	0247	DNA DAM/REPAIR	01 02 04
0208	NEURO (HUMAN)	01 02 04	0223	RESPONSE REQEST DELAY	01 02 04	(0248)	PROD/USE/PROC	01 02 04
(0209)	NEURO (ANIMAL)	(01) 02 04	(0224)	PROD/COMP/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	
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	0239	METAB/PHARMACO (ANIMAL)	01 02 04			
0215	CHRONIC TOX (ANIMAL)	01 02 04	0240	METAB/PHARMACO (HUMAN)	01 02 04			

TRIAGE DATA:	NON-CBI INVENTORY	ONGOING REVIEW	SPECIES	TOXICOLOGICAL CONCERN:	USE:	PRODUCTION:
	YES (CONTINUE)	YES (DROP/REFER)	RAT	(LOW)	Research	
	NO (DROP)	NO (CONTINUE)		MED		
	(DETERMINE)	REFER:		HIGH		

COMMENTS: Non-Cap

> <ID NUMBER>
8(e)-12701A

> <TOX CONCERN>
L

> <COMMENT>
ACUTE INHALATION TOXICITY IN THE RAT IS OF LOW CONCERN. THREE ANIMALS/GROUP WERE EXPOSED TO 14,000 PPM; 24,000 PPM; 45,000 PPM; OR 85,000 PPM FOR 4 HOURS. AT THE TWO HIGHEST DOSAGES ANIMALS WERE
OBSERVED TO PORTRAY INCOORDINATION AND A REDUCED RESPONSE TO SOUND. IN THE 24,000 PPM GROUP, THE ANIMALS WERE HYPERACTIVE AND SHOWED ONLY A SLIGHT REDUCTION IN THE RESPONSE TO SOUND. THE LOWEST DOSE
GROUP SHOWED NO CLINICAL SIGNS. AFTER THE EXPOSURE THE ANIMALS RECOVERED QUICKLY AND APPEARED NORMAL.