

6EHQ-94-13206
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(A)

September 22, 1994

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Document Control Office
U. S. Environmental Protection Agency
Chemical Information Division
401 M Street, S.W.
Washington, DC 20460

COMPANY SALES

Dear Sir:

The following is being submitted to EPA for the Agency's information. During the most recent of our periodic data review to update our Material Safety Data Sheets (MSDSs), it was brought to our attention that a former Hercules employee at one of our facilities had had an episodic history of skin rashes while working at the plant. The records reflect that some of the rashes were diagnosed by physicians as contact dermatitis; others were not diagnosed as chemically related. It appeared that either the employee might have become sensitized to some chemical or he was suffering psychosomatic symptoms, since he got rashes in areas of his body with no direct exposure. The reaction ultimately became sufficiently bothersome that he was granted disability. To the best of our knowledge, no other employee in the work areas has had a similar reaction.

The employee believed the rashes were the result of exposure to cumene hydroperoxide (CHP), perhaps because he had once suffered a chemical burn from dermal exposure to CHP. A question was raised internally as to whether _____ should amend our CHP MSDS to include sensitization potential. On September 6, _____ completed examination of the employee's history of exposure and found that he had not in fact been exposed to CHP when he suffered the rashes; rather, he had been exposed to several different processes and waste stream mixtures that did not consistently contain CHP.

We have been unable to identify any component of the process streams as a likely cause. The only chemical we have been able to identify as common to all of the process streams is cumene, and we have found nothing in the literature about possible sensitization effects of cumene.

We do not believe this information reasonably supports a conclusion of any substantial risk from cumene and so have not submitted this report as a TSCA 8(e) filing. We have no direct evidence that the employee was exposed to cumene, only that it was present in the process and waste streams in areas where he worked. Cumene has been used at the facility in question for many years and to our knowledge this is the only employee who has alleged such effects. Nevertheless, _____ feels that EPA might like to be apprised of our situation and to know about our further investigation.

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Direct sensitization testing on the employee was not medically advisable. Instead, is planning to conduct animal studies to determine whether cumene is a skin sensitizer. As a follow-up to this report, we will send these studies to EPA upon their completion.

Respectfully,

cumene.epa

Triage of 8(e) Submissions

AUG 22 1985

Date sent to triage: _____

NON-CAP

CAP

Submission number: 13206A

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: <u>0</u> 1 2 pages <u>42</u>	pages <u>1,2</u>
Notes:	
Contractor reviewer: <u>PRZ</u>	Date: <u>12/7/99</u>

CECATS TRIAGE TRACKING DBASE ENTRY FORM

CECATS DATA:
 Submission # BEHQ: 0994-132003 800 A
 TYPE: INT. SUPP FLWP
 SUBMITTER NAME: Confidential

VOLUNTARY ACTIONS:
 0401 NO ACTION REQUIRED
 0402 STUDIES PLANNED IN MAY
 0403 NOTIFICATION OF WORK IN PROGRESS
 0404 LABELS/MSDS CHANGES
 0405 PROCESSING CHANGES
 0406 APPAUSE DISCONTINUED
 0407 PRODUCTION DISCONTINUED
 0408 CONFIDENTIAL

INFORMATION REQUESTED: FLWP DATE
 0501 NO INFO REQUESTED
 0502 INFO REQUESTED (TECH)
 0503 INFO REQUESTED (VOL. ACTIONS)
 0504 INFO REQUESTED (REPORTING RATIONAL/F)
DISPOSITION:
 0679 REFER TO CHEMICAL SCREENING
 0678 CAP NOTICE

SUB. DATE: 09/22/94 09/27/94 11/16/94 CSRAD DATE:
 CHEMICAL NAME: _____ CASE _____
80-15-9

INFORMATION TYPE:	L F C	INFORMATION TYPE:	L F C	INFORMATION TYPE:	L F C
0201 ONCO (HUMAN)	01 02 04	0216 EPICLJN	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 CHEMPHYS 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 ECOAQUA 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 EMER INCI OF ENV CONTAM	01 02 04	0247 DNA DAM/REPAIR	01 02 04
0208 NEURO (HUMAN)	01 02 04	0223 RESPONSE REQUEST DELAY	01 02 04	0248 PRODUSE/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		

TRIAGE DATA: NON-CBI INVENTORY ONGOING REVIEW SPECIES TOXICOLOGICAL CONCERN: USE: PRODUCTION:
 YES (DROPP/REFER) NO LOW
 NO (CONTINUE) MED
 REF-R HIGH
Human

CAS SR NO
 (IN P. NAME)
Non-Cap

EQMS Ratings on 8(e) nonCAP Submissions--Set 19--August 4, 1996

8E Number and Chemical Name	Rank	Reason or Brief Description
-13206 Cumene hydroperoxide, CHP	Med	In 1994 the company described a case report abstract of possible sensitization induction culminating in disability. The company said it would inform EPA of follow-up animal studies they intend conducting. The company reports it had no other case reports despite a long history of manufacture of the chemical.