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Chemical Category		
DICYCLOPENTADIENE (77-73-6)		

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DOW

The Dow Chemical Company
Midland, Michigan 48674

1803 BUILDING
November 2, 1995

COMPANY SECRET

Document Control Officer (TS-790)
Office of Toxic Substances
Environmental Protection Agency
201 E Tower, 401 M Street SW
Washington DC 20460
ATTN: 8(d) Health and Safety Reporting Rule
(Notification Reporting)

ATTENTION: 8(D) HEALTH AND SAFETY REPORTING RULE (REPORTING) - (NOTIFICATION) DOCKET OPTS-82041

Dear Sir or Madam:

As required by 40 CFR 716 as amended, we herewith submit copies of reports which meet the requirements of the referenced rule as Health and Safety Studies. As noted in the statement enclosed with the reports, some contain Confidential Business Information.

The reports are separated into two categories for your convenience:

Package 1: Reports which contain no Confidential Business Information and reports from which Confidential Business Information has been deleted (i.e., the "Public File copies").

Package 2: Reports which contain no Confidential Business Information and reports in which Dow Confidential Business Information is identified (i.e., the "EPA copies").

The Dow report identification number (e.g., D0006067) has been placed on the first page of each report submitted. Please refer to this number in any correspondence regarding this submission. Some of these reports may be voluntarily submitted because we are either not sure of Dow's status as a manufacture or processor of the listed chemical; or we are not sure whether the report is a Health/Safety Study as defined in the rule.

An index to the copies of studies submitted is enclosed. It lists the Dow identification number and title of each report submitted. No studies of these chemicals are in progress, nor are we aware of any studies of which we lack copies. For your reference, we have enclosed a copy of the EPA letter extending the submission deadline.

Very truly yours,

J. R. Keith
Sr. Regulatory Consultant
Environmental & Health Regulatory Affairs
517/636-2933

Enclosures

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CAS NUMBER	CHEMICAL NAME	DOW ITEM	DOCUMENT TITLE
000075354	ETHENE, 1,1-DICHLORO-	D0006330	WORKER EXPOSURE TO VINYLIDENE CHLORIDE IN THE MONOMER, POLYMER AND CONVERTING INDUSTRIES
		D0006331	SUMMARY OF PERSONNEL SAMPLING FOR VINYL CHLORIDE AND VINYLIDENE CHLORIDE IN THE MICHIGAN DIVISION DURING THE FIRST HALF
		D0006332	SUMMARIZATION OF PERSONNEL SAMPLING IN THE MICHIGAN DIVISION FOR VINYL AND VINYLIDENE CHLORIDE FOR THE FIRST HALF OF '75
		D0006333	EFFECT OF 18 HR FAST AND GLUTATHIONE DEPLETION ON 1,1-DICHLOROETHYLENE-INDUCED HEPATOTOXICITY AND LETHALITY IN RATS
		D0006334	A MULTIPLE GENERATION REPRODUCTION STUDY IN RATS MAINTAINED ON DRINKING WATER CONTAINING VINYLIDENE CHLORIDE
		D0006335	RESULTS OF A 2-YEAR TOXICITY AND ONCOGENICITY STUDY WITH VINYLIDENE CHLORIDE INCORPORATED IN THE DRINKING WATER OF RATS
		D0006336	REVISION TO D0006335
		D0006337	METABOLISM AND PHARMOKINETIC PROFILE OF VINYLIDENE CHLORIDE IN RATS FOLLOWING ORAL ADMINISTRATION
		D0006338	RESULTS OF A 97-DAY TOXICITY STUDY IN MALE AND FEMALE BEAGLE DOGS ORALLY ADMINISTERED VINYLIDENE CHLORIDE IN PEANUT OIL
		D0006339	TWO YEAR TOXICOLOGICAL STUDY OF VINYLDIENE CHLORIDE INCORPORATED IN THE DRINKING WATER OF RATS AND A NINETY SIX DAY
		D0006340	THE PHARMACOKINETICS OF 14C-VINYLIDENE CHLORIDE IN RATS FOLLOWING INHALATION EXPOSURE
		D0006341	THE EFFECT OF MATERNALLY INHALED OR INGESTED VINYLIDENE CHLORIDE ON RAT AND RABBIT EMBRYONAL AND FETAL DEVELOPMENT
		D0006342	90 DAY REPEATED INHALATION TOXICITY STUDY OF VINYLIDENE CHLORIDE IN RATS
		D0006343	THE PHARMACOKINETICS OF VINYLIDENE CHLORIDE IN THE RAT
		D0006344	ISOLATION AND IDENTIFICATION OF VINYLIDENE CHLORIDE URINARY METABOLITES IN RATS
		D0006346	THE EFFECTS OF CORNCOB BEDDING SOAKED WITH WATER CONTAINING 200 PPM OF VINYLIDENE CHLORIDE ON POSTNATAL SURVIVAL OF RATS
		D0006347	A COMPARISON OF THE PHARMACOKINETCS OF INHALED VINYLIDENE CHLORIDE IN RATS AND MICE
		D0006349	EFFECTS OF VINYLIDENE CHLORIDE ON NDA SYNTHESIS AND NDA REPOARI IN THE RAT AND MOUSE: COMP STUDY W/DIMETHYLNITROSAMINE
		D0006350	THE PHARMACOKINETICS OF VINYLIDENE CHLROIDE IN THE RAT
		D0006351	CYTOGENETIC EFFECTS OF 1,1-DICHLOROETHYLENE ON RAT BONE MARROW CELLS
		D0006345	A COMPARISON OF FOUR MOUSE STRAINS TO SUBCHRONICALLY INHALEDVINYLIDENE CHLORIDE
		D0006365	ACUTE TOXICITY OF VINYLIDENE CHLORIDE: THE EFFECTS BY SPECIES AND SEX
		D0006367	FINAL REPORT: VINYLIDENE CHLORIDE: A CHRONIC INHALATION TOXICITY AND ONCOGENICITY STUDY IN RATS
		D0006377	THE VAPOR TOXICITY OF VINYLIDENE CHLORIDE
		D0006381	A TWO YEAR TOXICOLOGICAL STUDY OF VDC INCORPORATED IN THE DRINKING WATER OF RATS AND A 96-DAY STUDY GIVEN TO DOGS
		D0006382	RESULTS OF A 90 DAY STUDY INCORPORATING VINYLIDENE CHLORIDE IN THE DRINKING WATER OF RATS
		D0006390	IN VITRO MICROBIOLOGICAL MUTAGENICITY STUDIES OF VINYLDIENE CHLORIDE
000077736	4,7-METHANO-1H-INDENE, 3A,4,7,7A-TETRAHYDRO-	D0006359	ACUTE TOXICOLOGICAL PROPERTIES AND INDUSTRIAL HANDLING HAZARDS OF DICYCLOPENTADIENE CONCENTRATE (1% BENZENE, 14%PARAFFIN

93/08/04 (EFFECTIVE DATE OF RULE)

CAS NUMBER	CHEMICAL NAME	DOW ITEM	DOCUMENT TITLE
		D0006360	DOT TEST FOR CORROSIVENESS TO THE SKIN OF DICYCLOPENTADIENE
		D0006361	DCPD 75% ACUTE ORAL TOXICITY IN THE RAT
		D0006362	DCPD 75% MODIFIED NINE-INDUCTION BUEHLER CONTACT SENSITIZATION STUDY IN THE GUINEA PIG
		D0006363	DCPD 75% ACUTE EYE IRRITATION TEST IN THE RABBIT
		D0006364	DCPD 75% ACUTE DERMAL TOXICITY (LIMIT TEST) IN THE RAT
		D0006366	DCPD 75% ACUTE DERMAL IRRITATION TEST IN THE RABBIT
		D0006383	ACUTE ORAL, DERMAL, INHALATION FOR DICYCLOPENTADIENE
		D0006386	SUBACUTE INHALATION STUDY OF DICYCLOPENTADIENE
		D0006387	SUBACUTE INHALATION EXPOSURE HUMAN MUCOUS MEMBRANE IRRITATIOIRRITATION DICYCLOPENTADIENE
		D0006388	ACUTE ORAL - RATS, ACUTE DERMAL - RABBITS, ACUTE EYE, RABBITACUTE INHALATION MICE, RATS, GUINEA PIGS FINAL REPORT
		D0006389	CONDITIONS CONTROLLING THE EVOLUTION OF MONOCYCLOPENTADIENE FROM DICYCLOPENTADIENE
		D0006358	RESULTS OF RANGE FINDING TOXICOLOGICAL TESTS ON DICYCLOPENTADIENE
000098293	1,2-BENZENEDIOL, 4-(1,1-DIMETHYLETHYL)		
		D0006368	TOXICOLOGY AND HYGIENE TERTIARY-BUTYLCATECHOL
		D0006369	INFORMATION ON THE TOXIC ACTION OF TERT-BUTYL CATECHOL
		D0006371	RESULTS OF RANGE FINDING TOXICOLOGICAL TESTS ON 4-TERT. BUTYL CATECHOL
		D0006372	RESULTS OF 90-DAY DIETARY FEEDING STUDIES OF 4-TERT-BUTYLPYROCATECHOL IN RATS
		D0006373	1,2-BENZENEDIOL, MIXTURE WITH METHANOL (22:78): ACUTE TOXICOLOGIC PROPERTIES
		D0006374	DOT TEST FOR CORROSIVENESS CONDUCTED ON 4-T-BUTYLCATECHOL
		D0006375	4-T-BUTYL CATECHOL IN METHANOL SOLUTION
		D0006370	THE TOPICAL ACTION OF BUTYLCATECHOL
000108930	CYCLOHEXYL ALCOHOL	D0006378	RESULTS OF RANGE FINDING TOXICOLOGICAL TESTS ON HEXALIN
000121697	BENZENEAMINE, N,N-DIMETHYL-	D0006353	THE TOXICITY OF DIMETHYL ANILINE
		D0006354	THE TOXICITY OF ANILINE, ANILINE HYDROCHLORIDE, DIMETHYL ANILINE AND DIETHYL ANILINE
000542927	1,3-CYCLOPENTADIENE	D0006352	RESULTS OF REPEATED EXPOSURE OF LABORATORY ANIMALS TO VARIOUS CONCENTRATIONS OF CYCLOPENTADIENE
		D0006384	SUBACUTE INHALATION EXPOSURE CYCLOPENTADIENE MONOMER
		D0006385	ACUTE ORAL, DERMAL, INHALATION EXPOSURE OF METHYLCYCLOPENTA-DIENE IN RATS

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DOW CONFIDENTIAL
BUSINESS INFORMATION
40 CFR 2.201 - 2.215

THE DOW CHEMICAL COMPANY

HEALTH AND ENVIRONMENTAL SCIENCES

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Midland, Michigan 48674-1803

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Date: November 8, 1995

To: Zenobia Jones, EPA

COMPANY SANITIZED

From: Judy Timmons, 1803 Building

Phone: 517-636-1614

No of Pages (including this page) 4

NOTE: Attached in the sanitized version of our cover letter for the 8(d) Submission we sent to you November 2, 1995. This copy may be included in the public file copy of this submission.

If you do not receive all material being transmitted, please call the sender listed above.

PUBLIC

R & D REPORT

DOW CHEMICAL U.S.A.

CRI NUMBER:

LABORATORY REPORT CODE: Process Information

DATE ISSUED: September 1, 1981

DEPARTMENT: HEALTH AND ENVIRONMENTAL SCIENCES-TEXAS

LAB. NO. | PROJECT NO.: Process Information

TITLE: DOT (DEPARTMENT OF TRANSPORTATION) TEST FOR CORROSIVENESS TO THE SKIN OF DICYCLOPENTADIENE

PAGES IN FULL REPORT:

AUTHOR(S):

AUTHOR(S) SIGNATURE(S): Personal Information

REVIEWER'S SIGNATURE:

This report is: [ ] INTERIM [X] FINAL and mainly: [X] NEW [ ] REVIEW

DESCRIPTIVE SUMMARY WITH CONCLUSIONS:

A sample of dicyclopentadiene was submitted to the Acute Toxicology Laboratory of Health and Environmental Sciences-Texas for evaluation of corrosiveness to the skin by the DOT (Department of Transportation) test.

A corrosive material is one that causes irreversible change or destructi to the intact skin of an albino rabbit after an exposure period of 4 hour or less. The test procedure used is described in the Code of Federal Regulations, Title 49, Section 173.240, Appendix A. A 4-hour exposure to the test material resulted in slight redness and swelling, but no necrosi to the skin of 6 albino rabbits (New Zealand albino rabbits, Ray Nichols Rabbitry, Lumberton, Texas). Therefore, the test material is considered not corrosive by this test.

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Distribution list is continued on attached page.

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