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Contains No CBI

DOW CORNING

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ATTN TSCA SECTION 8(e) COORDINATOR
TSCA DOCUMENT PROCESSING CENTER (TS-790)
ROOM L-100
OFFICE OF PESTICIDES AND TOXIC SUBSTANCES
US ENVIRONMENTAL PROTECTION AGENCY
401 M ST SW
WASHINGTON DC 20460

Re: Followup Submission to 8EHQ-0890-1047
TSCA Section 8(e) Notification of Substantial Risk
Hexamethoxydisilylethane

Dear Sir:

In accordance with the provisions of Section 8(e) of the Toxic Substances Control Act (TSCA), as interpreted in the Statement of Interpretation and Enforcement Policy (40 FR 11110, March 16, 1978), Dow Corning Corporation is submitting the following final report as a followup to our Notification of Substantial Risk of August 10, 1990 (8EHQ-0890-1047) and our followup notification of March 19, 1992.

Chemical Substance:

Hexamethoxydisilylethane
CASRN 18406-41-2

Manufacturer:

Dow Corning Corporation
2200 West Salzburg Road
Midland, Michigan 48686-0994

Submitted Study:

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY OF DOW CORNING® XL-6145A ADDITIVE IN ALBINO RATS

Dow Corning Corporation
August 25, 1993

Background:

As a followup to our initial Notification of Substantial Risk (8EHQ-0890-1047) for hexamethoxydisilylethane, in a letter dated March 19, 1992, Dow Corning informed EPA of preliminary results obtained in a 14-day repeated

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dose toxicity study in rats of DOW CORNING® XL-6145A Additive. At this time, as a further followup to that notification, we are submitting to EPA a copy of the recently issued final report.

Executive Summary:

An acute and 14-day repeated dose inhalation toxicity study was initiated to assess the inhalation toxicity and to determine the No Observable Effect Level (NOEL) of DOW CORNING® XL-6145A Additive in rats. The study consisted of both an acute and repeated dose phase, with eight groups of five rats/sex being exposed for six hours to target concentrations of 0, 0.5, 1.0, and 2.0 ppm of the test material. Four groups, one from each concentration level, were sacrificed immediately following exposure while the remaining groups were scheduled to be sacrificed following a fourteen-day recovery period. The repeated dose phase was scheduled to expose four groups of rats to the same target concentrations as the acute phase for six hours per day for two weeks. Actual exposure concentrations of the test material for the acute and repeated dose phases were 0.4, 0.9, and 1.9 ppm.

All rats in the acute phase which were scheduled for immediate sacrifice, survived the exposure. Two male and one female rats from the 2.0 ppm exposure/recovery phase group died. The remaining animals in this group were sacrificed in a moribund state two days post-exposure. All other rats in the acute recovery phase survived to scheduled sacrifice.

Clinical signs of toxicity which were considered treatment-related included ocular and nasal discharge, facial soiling, rough coats, soft feces, lethargy, and labored breathing. A statistically significant decrease in body weights was seen in male rats in the 0.5 and 1.0 ppm group of the recovery phase. Gross pathological examination indicated that there were no test article-related lesions at necropsy in any of the rats from the acute phase which were sacrificed immediately after exposure. Histopathologic examination of tissues, however, indicated necrosis of the respiratory epithelium of the nasal cavity in rats in the 1.0 and 2.0 ppm groups. Test article-related necrosis of the tracheal epithelium also was observed in these groups. No test article-related microscopic changes were observed in the respiratory tract or other organs in the 0.5 ppm group.

In the repeated dose phase, two males and two females from the 2.0 ppm group died after the second exposure to the test material. All surviving rats in the 1.0 and 2.0 ppm groups were sacrificed in a moribund state before the third exposure. Rats in the 0.5 ppm group were sacrificed in a moribund state after the fourth exposure along with corresponding control animals. Test article-related gross findings in the repeated dose phase included corneal opacity and ulceration, nasal obstruction, and failure of the lungs to collapse. These gross findings were correlated with histopathologic changes observed in these tissues. Microscopic examination of tissues and organs indicated that various levels of the respiratory tract had epithelial necrosis with associated fibrinopurulent exudate. Olfactory epithelium was less severely involved and squamous epithelium was spared. Chemical related toxicity also was observed in the eye and lung.

Actions:

Dow Corning will notify EPA of any further pertinent information that may be developed concerning this chemical substance. Dow Corning has ceased efforts to commercialize this substance and has taken action to ensure that it is not present as an unintentional byproduct in other materials we manufacture.

If you require further general information concerning this notification of substantial risk, please contact Dr. Rhys C. Daniels, Regulatory Compliance Specialist, Dow Corning Product Safety and Regulatory Compliance Department, at the address provided below or by telephone at 517-496-4222.

For further information on the toxicity of hexamethoxydisilylethane, please contact Dr. Robert C. Meeks, Toxicology Manager, Dow Corning Toxicology Department, at the same address or by telephone at 517-496-8629.

Sincerely,

Alvin G. Bey
U.S. Area Vice-President, Director
Health & Environmental Sciences

DOW CORNING

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TSCA SECTION 8(e) NOTIFICATION OF SUBSTANTIAL RISK

TOXICOLOGICAL STUDIES

TSCA CONFIDENTIAL BUSINESS INFORMATION CLAIMS

For purposes of Notification of Substantial Risk under Section 8(e) of the Toxic Substances Control Act (TSCA), the general PROPRIETARY designation on the attached toxicological study has been waived by Dow Corning Corporation.

Only the specific chemical identity of the test substance is being claimed as TSCA Confidential Business Information (TSCA CBI) in the attached study and, accordingly, in compliance with the provisions of 40 CFR 2, has been designated with brackets ([]) in both the confidential and sanitized copies, and has been deleted from the sanitized copy, of the study.

Submitter: _____ Date: _____

Rhys G. Daniels, Ph.D.
Regulatory Compliance Specialist
Health and Environmental Sciences
DOW CORNING CORPORATION

DOW CORNING

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY OF DOW CORNING® X1-6145A ADDITIVE IN ALBINO RATS

Dow Corning Corporation
August 25, 1993

DOW CORNING CORPORATION, MIDLAND, MICHIGAN 48686-0994 TELEPHONE: (517) 496-4000

REPORT NO.:	1993-10000-38352
FILE NO.:	7491
REFERENCE NO.:	TX-91-040-02
LOT NO.:	BNC99001
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DEPARTMENT:	Health and Environmental Sciences
SUPERVISOR:	W. H Siddiqui
LOCATION:	Midland, Michigan
DATE:	August 25, 1993
TITLE:	An Acute and 14-Day Repeated Dose Inhalation Toxicity Study of DOW CORNING® XI-6145A Additive* in Albino Rats

ABSTRACT

An acute and 14-day repeated dose inhalation toxicity study was initiated to assess the inhalation toxicity and to determine the no-observable-effect-level of DOW CORNING® XI-6145A Additive in rats. The study consisted of both an acute and repeated dose phase. Eight groups of five rats/sex were exposed acutely for six hours to target concentrations of 0, 0.5, 1.0 and 2.0 ppm of the test material. Four groups, one from each concentration level, were sacrificed immediately following exposure. The remaining groups were scheduled to be sacrificed following a 14-day recovery period. The repeated dose phase was scheduled to expose four groups of rats to the same target concentrations as the acute phase for six hours per day for two weeks.

The actual exposure concentrations of DOW CORNING® XI-6145A Additive for the acute and repeated dose phases were 0.4, 0.9 and 1.9 ppm.

All rats in the acute phase, which were scheduled for immediate sacrifice, survived the exposure. Three rats, two male and one female, from the acute recovery phase died in the 2.0 ppm group. The remaining animals in this group were sacrificed in moribund sta[illegible] two days post-exposure. All other rats in the acute recovery phase survived to the scheduled sacrifice.

Clinical signs of toxicity which were considered t[illegible]atment-related included ocular and nasal discharge, facial soiling, rough coats, soft feces, lethargy and labored breathing.

A statistically significant decrease in body weights was seen in male rats in the 0.5 and 1.0 ppm groups of the acute recovery phase.

Gross pathologic examination indicated that there were no test article-related lesions at necropsy in any of the rats from the acute phase which were sacrificed immediately after exposure.

Histopathologic examination of tissues, however, indicated necrosis of respiratory epithelium of the nasal cavity in rats in the 1.0 and 2.0 ppm groups. Test article-related necrosis of the tracheal epithelium was also noted in these groups. No test article-related microscopic changes were observed in the respiratory tract or other organs examined in the 0.5 ppm group.

In the acute recovery phase, corneal opacity and a decrease in thymus size was noted in some animals in the 0.5 and 1.0 ppm groups. Several organs had test article-related effects, these included the eye and various levels of the respiratory tract. As in the acute immediate sacrifice phase of this study, necrosis of the respiratory epithelium of the nasal cavity was evident.

In the repeated dose phase, two males and two females in the 2.0 ppm group died after the second exposure to DOW CORNING* XI-6145A Additive. All surviving rats in the 1.0 and 2.0 ppm groups were sacrificed in a moribund state before the third exposure Rats in the 0.5 ppm group were sacrificed in a moribund state after the fourth exposure along with the corresponding control animals. Test article-related gross findings in the repeated dose phase included corneal opacity and ulceration, nasal obstruction and failure of the lungs to collapse. These gross findings were correlated with histopathologic changes observed in these tissues. Microscopic examination of tissues and organs indicated that various levels of the respiratory tract had epithelial necrosis with associated fibrinopurulent exudate. Olfactory epithelium was less severely involved and squamous epithelium was spared. Chemical related toxicity was also observed in the eye and lung.

In conclusion, the results of this study indicate that the inhalation exposure of DOW CORNING* XI-6145A Additive at the concentrations and conditions of this study produced significant toxicologic effects in rats. This study did not establish a no-observable-effect-level for the test material. It is recommended that further toxicologic studies be conducted to determine the LC_{50} and no-observable-effect-level.

*1,2-Bis(trimethoxysilyl)ethane; "Hexabis"

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I. INTRODUCTION

A previous repeated dose inhalation toxicity study with DOW CORNING® XL-6145A Additive was terminated because the dosages selected were too high and caused morbidity in animals after the second exposure (Kolesar, et. al., 1991). The purpose of this study was to assess the inhalation toxicity and to determine the no-observable-effect-level. This study was conducted in accordance with the EPA Toxic Substances Control Act, Good Laboratory Practices Regulations, 40 CFR, Part 792, adopted Thursday, August 17, 1989.

II. MATERIALS AND METHODS

A. Test Material

DOW CORNING® XL-6145A Additive, Lot Number BM099001 was used in this study. The purity of the material was approximately 94% as analyzed by gas chromatography (area count).

B. Experimental Animals

Male and female CR® (Sprague-Dawley) rats (weighing approximately 100-105g and 5-8 weeks of age) were purchased from Charles River Breeding Laboratories, Kingston, New York. Upon arrival at the Toxicology Department, all rats were quarantined for one week. Approved rats were weighed and randomized into 12 control and test groups (5/sex/group) using the Xybion ASTECT program. Groups I-VIII were employed in the acute phase and Groups IX-XII were used in the repeated dose phase of the study. After randomization, test animals were ear tagged and color coded tags (listing the rat's sex, exposure level, ear tag, file and group numbers) were placed on the outside of each cage.

C. Animal Maintenance

The rats were housed individually in suspended stainless steel, wire mesh bottom cages. Before each exposure, rats were transferred into cages that were designed to be placed within the exposure chambers. After each exposure, the rats were returned to their original housing. The rats were fed certified Purina® rodent chow and water ad libitum except during exposures. The rats were housed during non-exposure periods in rooms designed to be maintained at 68-71°F and 10-70 percent relative humidity. A light cycle of alternating 12 hours light and 12 hours dark was maintained.

D. Experimental Design

Animal Groups

A structural outline of the experimental design is given below:

Group Number	Number of Male	Number of Female	Test Material	Target Exposure Concentration (ppm)
I. Acute Phase				
A. Single 6-Hour exposure/Immediate Sacrifice				
I	5	5	Filtered Room Air	N.A.
II	5	5	DOW CORNING® XI-6145A Additive	0.5
III	5	5	DOW CORNING® XI-6145A Additive	1.0
IV	5	5	DOW CORNING® XI-6145A Additive	2.0
B. Single 6-Hour Exposure/14-Day Recovery Period				
V	5	5	Filtered Room Air	N.A.
VI	5	5	DOW CORNING® XI-6145A Additive	0.5
VII	5	5	DOW CORNING® XI-6145A Additive	1.0
VIII	5	5	DOW CORNING® XI-6145A Additive	2.0
II. Repeated Dose				
A. Ten 6-Hour Exposures over 2-Weeks/Immediate Sacrifice				
IX	5	5	Filtered Room Air	N.A.
X	5	5	DOW CORNING® XI-6145A Additive	0.5
XI	5	5	DOW CORNING® XI-6145A Additive	1.0
XII	5	5	DOW CORNING® XI-6145A Additive	2.0

The study consisted of an acute phase and a repeated dose phase. The acute phase included eight groups of animals which were exposed to target concentrations of 0, 0.5, 1.0 and 2.0 ppm of DOW CORNING® XI-6145A Additive. Groups I-IV were sacrificed immediately following exposure and Groups V-VIII were scheduled to be sacrificed following a 14-day recovery period. The repeated dose phase was scheduled to include four groups of animals being exposed to target concentrations of 0, 0.5, 1.0 and 2.0 ppm for two weeks and sacrificed immediately following the last exposure. The acute phase exposures were conducted concurrently with the repeated dose exposures on study day three (3). The exposure levels (0.5, 1.0 and 2.0 ppm) were selected on the basis of results obtained in a previous study (Kolesar, et. al., 1991) and a detection limit of approximately 0.4 ppm with the Varian® 3400 Gas Chromatograph equipped with a flame ionization detector.

E. Exposure Methods and Generating Equipment

Exposures were conducted in 2 m^3 liter stainless steel whole body exposure chambers. The chambers were operated under dynamic conditions where the chamber air was room air, which had been filtered (hepa and charcoal filters). Airflows through the chambers were kept at approximately 12-15 air changes per hour. Chamber temperature, humidity, and airflow were monitored continuously and were recorded every five minutes by the Camile® Data Acquisition System during the exposure periods. The test material was introduced into the chambers through special designed glass J-tubes. The test material was metered into the J-tubes with Harvard Apparatus syringe pumps. Instrument air which was filtered, flowed through the J-tubes at a controlled rate. The air/vapor mixture passed into the inlet port at the top of the chambers. During the exposure periods, attempts were made to keep the actual concentrations of the test material in the chambers as constant as possible.

The duration of each exposure period was six hours after equilibration of the chamber concentration. The equilibration time, which is a function of chamber airflow, was approximately 25 minutes. The amount of test material used during the exposure period was determined by pre- and post-measuring the weight of the test material in each syringe. The exposure duration (exposure period and equilibration time), test material used and airflows through the chambers were then used to calculate nominal concentrations.

Actual chamber concentrations were measured a minimum of once an hour by a Varian® 3400 Gas Chromatograph (G.C.) equipped with a flame ionization detector. The G.C. was calibrated before the start of the study and one bag standard was prepared and analyzed during each exposure period.

F. Observations

All surviving rats were observed daily during the post-exposure period for treatment-related signs of toxicity, in particular, any evidence of respiratory, dermal, behavioral, nasal and/or ocular changes.

G. Body Weight Measurements

Individual body weights were collected prior to exposure for animals in all groups. Body weights for rats in groups V-VIII were scheduled to be measured on days 1, 8 and 15. Also, body weights were scheduled to be recorded for rats in groups IX-XII on days 1, 5, 8 and 12.

H. Gross Pathology and Organ Weight Assessment

A gross pathologic examination was conducted on all rats. The brain, kidneys, lungs, liver, spleen, adrenals and ovaries or testes were dissected free of fat and weighed from rats surviving until scheduled sacrifice. The lungs were removed intact, weighed and distended to their approximate normal inspiratory volume by tracheal infusion with 10% neutral buffered formalin.

I. Histopathology

Organs or samples of organs or tissues listed below for animals in all groups were preserved in 10% neutral buffered formalin. Hematoxylin and eosin stained paraffin sections of the organs and tissues were prepared using standard histologic methods.

Adrenal (2)	Lungs (5 lobes)
Nasal Cavity (4 levels)	Trachea (multiple levels, cervical and bifurcation)
Brain (3 levels)	Ovaries(2)
Eyes(2)	Pharynx
Heart	Spleen
Kidneys (2)	Testes(2)
Larynx	Thymus
Liver (3 lobes)	
Lymph Nodes (Mandibular, Mediastinal)	

Histopathological examination was performed on the tissues specified above for all male and female animals in both the acute and repeated dose phases at all exposure concentrations by consulting pathologist, Dr. Robert G. Gell, D.V.M., Diplomate, American College of Veterinary Pathologists.

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J. Statistics

Statistical analyses were conducted on terminal body weights, organ weights and organ weight ratios where appropriate. This data was analyzed by a two-sided Welch Trend test. If a significant overall trend was detected, then all follow-up tests were one-sided and in the same direction as the overall trend. Body weights, collected during the in-life phase of the study, were statistically analyzed by the Dow Corning HES ANOVA program. All tests were conducted at the $P < 0.05$ level of significance.

III. RESULTS AND DISCUSSION

Average chamber temperature and percent relative humidity calculated for the daily exposure periods are presented in Table I. The ranges for temperature and relative humidity were 24-25°C and 38-40%, respectively.

The mean daily actual and nominal chamber concentration data are summarized in Table II. Good agreement was obtained between the actual and nominal concentrations. The actual exposure concentrations of DOW CORNING® XL-6145A Additive for the acute and repeated dose phases were 0.4, 0.9 and 1.9 ppm.

ACUTE PHASE

All rats in the acute phase, which were scheduled for immediate sacrifice, survived the exposure. In the acute recovery phase, two males and one female in the 1.0 ppm group died and the remainder of the rats in this group were sacrificed in a moribund state two days after exposure. All rats in the 0.5 and 1.0 ppm groups of the acute recovery phase survived to the scheduled sacrifice.

Mean body weight data for surviving male and female rats of the acute recovery phase are summarized in Tables III and IV. Appendices 1 and 2 present the individual body weight values. A statistically significant decrease in body weight was seen in males in the 0.5 and 1.0 ppm groups and the females in the 1.0 ppm group on study day 8. Recovery was seen in all groups except males in the 1.0 ppm group, however, a statistically significant decrease in mean body weights was still present on study day 15. Terminal body weights showed statistically significant decreases in males in the 0.5 and 1.0 ppm groups.

Group mean absolute and relative organ weights for surviving male and female rats of the acute recovery phase are presented in Tables V and VI. Appendices 3 and 4 present the individual organ weights. Statistically significant increases and/or decreases were seen in absolute and/or relative spleen, brain, liver, kidney, and lung weights in either male and/or female animals in the 0.5 and/or 1.0 ppm group. In the absence of histopathologic correlates the biological significance of absolute and relative organ weights differences is questionable.

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Incidence of necropsy findings are presented in Table VII, while the incidence of histopathologic findings are presented in Tables VIII-X. Gross pathologic examination indicated that there were no test article-related lesions at necropsy in any of the rats from the experimental groups of the acute phase which were sacrificed immediately after exposure.

In the acute immediate sacrifice phase of the study, microscopic examination indicated test article-related necrosis of respiratory epithelium (with less involvement of the olfactory epithelium and no involvement of the squamous epithelium) of the nasal cavity in rats in the 1.0 and 2.0 ppm groups. Test article-related necrosis of the tracheal epithelium was also noted. No test article-related microscopic changes were observed in the respiratory tract or other organs examined in rats in the 0.5 ppm group.

In the acute recovery phase, corneal opacity was observed in three rats in the 1.0 ppm group and four females had decreased size of the thymus in the 0.5 and 1.0 ppm groups. The macroscopic finding of corneal opacity correlated microscopically with corneal epithelial necrosis and desquamation and keratitis. One female in the 1.0 ppm group with a had a hypoplastic thymus. All other macroscopic findings which were observed during gross necropsy were considered spontaneous or agonal and not test article-related. Microscopically, several organs showed test article-related effects. These included eye (in which desquamation of corneal epithelium with occasional associate keratitis was found) and various levels of the respiratory tract, i.e., nasal cavity, pharynx, larynx, and trachea (in which epithelial necrosis of respiratory epithelium, ulcers, epithelial hypoplasia and inflammatory exudate were found). As in the acute immediate sacrifice phase of this study, necrosis of the respiratory epithelium of the nasal cavity was evident.

REPEATED DOSE PHASE

In the repeated dose phase, two males and two females in the 2.0 ppm group died after a second six-hour exposure. All surviving rats in the 1.0 or 2.0 ppm groups were sacrificed in a moribund state on study day three. On study day five, all rats in the 0.5 ppm group were sacrificed in a moribund state with the corresponding control group.

Test article-related macroscopic findings in the repeated dose phase included corneal opacity and ulceration, nasal obstruction and failure of the lungs to collapse. These findings correlated with microscopic changes. All other findings which were observed during gross necropsy were considered spontaneous or agonal and not test article-related.

Microscopic examination of tissues and organs indicated that various levels of the respiratory tract, i.e., nasal cavity, pharynx, larynx and trachea, had test article-related epithelial necrosis with associated fibrinopurulent exudate. As with the acute phase of this study, the respiratory epithelium of the nasal cavity was most severely affected in

0 0 1 8

the repeated dose phase animals; this change was most evident in rats from the 1.0 and 2.0 ppm groups. However, in contradistinction from the 0.5 ppm groups of the acute phases, rats from the 0.5 ppm group of the repeated dose phase had necrosis of respiratory epithelium of the nasal cavity; olfactory epithelium was less severely involved and squamous epithelium was spared. As with the acute recovery phase, the eye also had test article-related effects which included desquamation, hyperplasia and keratitis of corneal epithelium. The lung had test article-related necrosis of bronchial epithelium. There was no evidence of spontaneous disease which would have had an effect on the validity of the study in any of the organs examined microscopically.

IV. CONCLUSIONS

In conclusion, the results of this study indicate that the inhalation exposure of DOW CORNING® XL-6145A Additive at the concentrations and conditions of this study produced significant toxicologic effects in rats. Additionally, this study did not establish a no-observable-effect-level for the test material. It is recommended that further toxicologic studies be conducted to determine an LC_{50} and a no-observable-effect-level.

V. RETENTION OF RECORDS

All records concerning the daily observations, body weights, exposure data, gross examinations and all other information relevant to the quality and integrity of the study are located at Dow Corning Corporation, Midland, Michigan, 48686-0994.

0 0 1 9

TABLE VII (Cont'd.)

VI. SIGNATURE OF AUTHORS

This report constitutes pages 1-62, Tables I-X, and Appendices 1-4.

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Mack G. Evans, D.V.M., Ph.D., Diplomate, A.C.V.P.
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Waheed N. Siddiqui, Ph.D.
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Robert G. Meeks, Ph.D., D.A.B.T.
Toxicology Manager
Health & Environmental Sciences
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Typed By:

Michelle L. Snook

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY

VII. QUALITY ASSURANCE STATEMENT

This report represents data generated by the Toxicology Department, Dow Corning Corporation, Midland, Michigan. This study was conducted according to the EPA Toxic Substances Control Act; Good Laboratory Practice Regulations 40 CFR Part 792 Thursday, August 17, 1989. The results reported accurately reflect the data generated. All raw data is located at Dow Corning Corporation, Midland, Michigan.

Study Initiated:	February 19, 1992
Study Completed:	August 23, 1993
Experimental Start:	February 24, 1992
Experimental Termination:	February 28, 1992
Study Audited:	December 18, 1991, February 18, 1992, March 11, 1992, July 28, 1993 and August 4, 1993
Audit Reports to Management:	December 18, 1991, February 18, 1992, March 12, 1992, and August 4, 1993
Report Issued:	August 25, 1993

Carolyn A. Hunter
Quality Assurance
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August 4, 1993
Report Audit Date

8/24/93
Werner H. Heidelgut, Ph.D. Date
Study Director

0 0 2 3

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY

TABLE I

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY OF DOW CORNING® XI-6145A ADDITIVE IN ALBINO RATS

Daily Mean Temperature (°C) and Relative Humidity (%) During Treatment Period (Mean ± S.D.)

Target Exposure Concentration (ppm)		Study Day 1	2	3*	4
0	Temp.	24.6	24.4	25.3	24.5
	S.D.	0.3	0.3	0.4	0.3
	Humid.	18.1	18.8	19.9	39.1
	S.D.	0.9	1.0	2.2	0.7
0.5	Temp.	24.2	24.1	24.9	23.9
	S.D.	0.3	0.3	0.5	0.3
	Humid.	18.3	19.0	19.6	39.4
	S.D.	0.7	0.7	1.9	0.3
1.0	Temp.	23.9	23.7	24.0	***
	S.D.	0.4	0.4	0.5	***
	Humid.	18.4	18.9	19.5	***
	S.D.	1.0	0.8	1.6	***
2.0	Temp.	24.1	23.9	24.2	***
	S.D.	0.4	0.4	0.5	***
	Humid.	18.4	18.9	19.5	***
	S.D.	0.9	0.8	1.6	***

*The acute phase exposures were conducted concurrently with the repeated dose exposures on study day three (3).

0 0 2 3

TABLE VII (Cont'd.)

TABLE II

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING® XL-6145A ADDITIVE IN ALBINO RATS

Daily Actual and Nominal Chamber Concentration
During Treatment Period (Mean ± S.D.)

Target Exposure Concentration (ppm)		Study Day			
		1	2	3*	4
0.5	Actual	0.3	0.5	0.4	0.5
	S.D.	0.2	0.0	0.3	0.0
	Nominal	0.5	0.4	0.4	0.5
1.0	Actual	0.9	1.0	0.9	***
	S.D.	0.2	0.1	0.1	***
	Nominal	1.3	1.2	1.2	***
2.0	Actual	1.9	2.0	1.9	***
	S.D.	0.2	0.1	0.1	***
	Nominal	2.2	2.2	2.2	***

*The acute phase exposures were conducted concurrently with the repeated dose exposures on study day three (3).

0 0 2 3

TABLE III
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS.
BODY WEIGHT ANALYSIS.
GROUPS V-VII. MALE RATS.

PROPRIETARY

TABLE OF MEANS,STANDARD DEVIATIONS, AND SAMPLE SIZES.

CONC. PPM	DAY 1	DAY 8	DAY 15
0.0	250.	310.	366.
	9.	16.	22.
N=	5	5	5
0.5	252.	271.*	338.
	10.	17.	17.
N=	5	5	5
1.0	255.	193.*	284.*
	14.	21.	23.
N=	5	5	5

* INDICATES SIGNIFICANT DIFFERENCE FROM CONTROL BY DUNNETT'S TEST, ALPHA=.05, TWO SIDED.

\$ INDICATES SIGNIFICANT DIFFERENCE FROM CONTROL BY WILCOXON'S TEST, ALPHA=.05, TWO SIDED.

TABLE IV
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS.
BODY WEIGHT ANALYSIS.
GROUPS V-VII. FEMALE RATS.

PROPRIETARY

TABLE OF MEANS, STANDARD DEVIATIONS, AND SAMPLE SIZES

CONC. PPM	DAY 1	DAY 8	DAY 15
0.0	244.	263.	277.
	8.	11.	14.
N=	5	5	5
0.5	240.	259.	287.
	15.	13.	22.
N=	5	5	5
1.0	245.	187.*	251.
	16.	26.	27.
N=	5	5	5

* INDICATES SIGNIFICANT DIFFERENCE FROM CONTROL BY DUNNETT'S TEST, ALPHA=.05, TWO SIDED.

$ INDICATES SIGNIFICANT DIFFERENCE FROM CONTROL BY WILCOXON'S , .01, ALPHA= 05, TWO SIDED

TABLE V

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) Z1-6149A ADDITIVE IN ALBINO RATS

A SUMMARY OF MEAN ORGAN WEIGHT VALUES
FOR MALES

DAY: 17

	BODY WT (G)	BRAIN G	BRN/BW G/100	BRN/BR G/100	LIVER G	LIV/BW G/100	LIV/BR G/100	KIDNEYS G	KID/BW G/100	KID/BR G/100	SPLEEN G	SPL/BW G/100
CNT./RECOVERY												
MEAN:	241.5	1.395	0.551	111.3	16.288	6.430	825.57	3.331	0.837	151.9	0.748	0.205
STD ERR:	5.5	0.024	0.115	0.001	0.937	0.162	41.347	0.091	0.003	3.839	0.079	0.017
N:	5	5	5	5	5	5	5	5	5	5	5	5
0.5/RECOVERY												
MEAN:	231.5	1.585	0.677	100.0	14.545	6.402	763.72	3.497	0.823	141.2	0.715	0.215
STD ERR:	7.0	0.035	0.026	0.000	0.435	0.120	25.305	0.095	0.022	4.088	0.040	0.011
N:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.019	0.065	0.156	TND	0.15	TND	TND	0.021	TND	TND	0.423	TND
1.0/RECOVERY												
MEAN:	278.7	1.655	0.671	100.0	12.726	4.560	634.25	2.497	0.896	134.1	0.544	0.194
STD ERR:	11.5	0.025	0.025	0.000	0.695	0.243	36.784	0.136	0.036	6.096	0.040	0.007
N:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.002(+)	0.001(+)	0.014(+)	1.000	0.469(+)	0.496	0.294	0.093(-)	0.393	0.074	0.034(-)	0.343

TND=Test Not Done

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TABLE VI

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

A SUMMARY OF MEAN ORGAN WEIGHT VALUES
FOR FEMALES

DAY: 17

	BODY WT (g)	BRAIN g	BRN/BW g/100	BRN/BR g/100	LIVER g	LIV/BW g/100	LIV/BR g/100	KIDNEYS g	KID/BW g/100	KID/BR g/100	SPLEEN g	SPL/BW g/100
CNT./RECOVERY												
MEAN:	266.6	1.946	0.733	100.0	10.685	4.007	562.02	2.058	0.775	105.8	0.623	0.234
STD ERR:	7.1	0.034	0.032	0.000	0.406	0.144	24.601	0.083	0.033	1.866	0.017	0.005
#:	5	5	5	5	5	5	5	5	5	5	5	5
0.5/RECOVERY												
MEAN:	274.4	1.935	0.708	100.0	12.045	4.463	633.28	2.074	0.758	107.2	0.702	0.256
STD ERR:	11.7	0.034	0.027	0.000	0.647	0.234	34.677	0.083	0.026	4.023	0.033	0.009
#:	5	5	5	5	5	5	5	5	5	5	5	5
P:	TNS	TNS	TNS	TNS	TNS	TNS	TNS	TNS	TNS	TNS	1.000	1.000
1.0/RECOVERY												
MEAN:	242.4	1.894	0.746	100.0	11.352	4.707	555.40	2.003	0.829	106.0	0.511	0.210
STD ERR:	11.0	0.056	0.018	0.000	0.357	0.200	4.265	0.530	0.023	5.009	0.038	0.008
#:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.147	0.91	0.256	1.000	0.391	0.069	0.393	0.966	0.239	1.000	0.039(-)	0.033(-)

TNS=TEST NOT SIG.

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TABLE XI (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

A SUMMARY OF MEAN ORGAN WEIGHT VALUES
FOR FEMALES

SEX: F

	SPL/BW g/100	LUNGS g	LUN/BW g/100	LUN/BR g/100	ADRENALS g	ADR/BW g/100g	ADR/BR g/100g	OVARIES g	OVR/BW g/100g	OVR/BR g/100g
CNT./RECOVERY										
MEAN:	32.68	1.103	0.452	42.90	0.084	0.032	4.325	0.131	0.049	6.722
STD ERR:	1.147	0.051	0.019	1.476	0.006	0.002	0.332	0.012	0.005	0.644
N:	5	5	5	5	5	5	5	5	5	5
0.5/RECOVERY										
MEAN:	36.14	1.388	0.386	71.45	0.093	0.034	4.623	0.104	0.038	5.384
STD ERR:	1.433	0.042	0.010	1.740	0.006	0.003	0.365	0.004	0.003	0.236
N:	5	5	5	5	5	5	5	5	5	5
P:	1.000	0.015	0.002	0.000	TND	TND	TND	TND	TND	TND
1.5/RECOVERY										
MEAN:	37.04	1.345	0.557	71.02	0.096	0.035	4.583	0.097	0.040	5.109
STD ERR:	1.911	0.039	0.013	1.556	0.007	0.002	0.324	0.012	0.004	0.620
N:	5	5	5	5	5	5	5	5	5	5
P:	0.043(*)	0.013(**)	.002 (**)	0.026(**)	0.094	0.003	0.07	0.196	0.299	0.234

TNS=TOOK NOT DONE

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PROPRIETARY

TABLE VII

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-61.5A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR MALES

Project Number: [illegible] Species: rat

Tissue/ Observation/ Modifier(s)	Group 1		Group 2		Group 3		Group 4	
	00S	SAC	00S	SAC	00S	SAC	00S	SAC
All Tissues	(0)	(5)	(0)	(0)	(0)	(0)	(0)	(2)
Within Normal Limits	0	5	0	0	0	0	0	2
Eye	(0)	(0)	(0)	(0)	(0)	(0)	(0*)	(0)
Hemorrhage	0	0	0	0	0	0	0	0
focal, unilateral	0	0	0	0	0	0	0	0
Eye, Cornea	(0)	(2)	(0)	(0)	(0)	(0)	(0*)	(1)
Corneal opacity(ies)	0	2	0	0	0	0	0	1
diffuse, minimal, unilateral	0	2	0	1	0	0	0	0
diffuse, minimal, bilateral	0	0	0	0	0	0	0	0
Lung	(0)	(2)	(0)	(0)	(0)	(0)	(0*)	(2)
Discolored, green-brown	0	0	0	0	0	0	0	1
single	0	0	0	0	0	0	0	1
Discolored, mottled	0	0	0	0	0	0	0	1
focus(i), dark	0	2	0	0	0	0	0	0
single	0	0	0	0	0	0	0	0
multiple	0	2	0	0	0	0	0	0
Lymph Node, Mandibular	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)
Discolored, red	0	0	0	2	0	0	0	0
unilateral	0	0	0	0	0	0	0	0
bilateral	0	0	0	2	0	0	0	0
Remaining Tissues	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(2)
Within Normal Limits	0	2	0	0	0	0	0	2

Titles:
Group 1 control-acute
Group 2 0.5 mw/acute
Group 3 1.0 mw/acute
Group 4 2.0 mw/acute
All modifiers are minimal.

* = Fatal Findings
00S= Unscheduled Deaths
SAC= Protocol Scheduled Sacrifices

Macroscopic Findings Page 3

0 0 3 0

TABLE IX (Cont'd)

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RA

PROPRIETARY

OVERALL INCIDENCE FOR FEMALES

Project Number: 7491 Species: rat

Tissue/ Observation/ Modifier(s)	Group 1		Group 2		Group 3		Group 4	
	DOS	SAC	DOS	SAC	DOS	SAC	DOS	SAC
All Tissues	(0) (	2)	(0) (	2)	(0) (	2)	(0) (	2)
Within Normal Limits	0	2	0	2	0	2	0	2
Eye, Cornea	(0) (	0)	(0) (	0)	(0) (	0)	(0) (	0)
Corneal opacity(ies)	0	0	0	0	0	0	0	0
diffuse, minimal, bilateral	0	0	0	0	0	0	0	0
Lung	(0) (	2)	(0) (	2)	(0) (	2)	(0) (	2)
Discolored, mottled	0	0	0	0	0	0	0	0
Failure to collapse	0	0	0	0	0	0	0	0
Focus(i), dark	0	0	0	2	0	2	0	0
single	0	0	0	0	0	0	0	0
multiple	0	0	0	0	0	0	0	0
Lymph Node, Mandibular	(0) (	0)	(0) (	0)	(0) (	0)	(0) (	0)
Discolored, red	0	0	0	0	0	0	0	0
bilateral	0	0	0	0	0	0	0	0
Thymus	(0) (	0)	(0) (	0)	(0) (	0)	(0) (	0)
Discolored, mottled	0	0	0	0	0	0	0	0
multifocal	0	0	0	0	0	0	0	0
Hemorrhage	0	0	0	0	0	0	0	0
focal	0	0	0	0	0	0	0	0
Uterus	(0) (	0)	(0) (	0)	(0) (	0)	(0) (	0)
Atresia	0	0	0	0	0	0	0	0
unilateral	0	0	0	0	0	0	0	0
Fluid filled, cycling change	0	0	0	0	0	0	0	0
Remaining Tissues	(0) (	0)	(0) (	0)	(0) (	0)	(0) (	0)
Within Normal Limits	0	0	0	0	0	0	0	0

Key:
Group 1 control/acute
Group 2 0.5 mgm/acute
Group 3 1.0 mgm/acute
Group 4 2.0 mgm/acute
All modifiers are printed.

(0) = Total Findings
DOS= Unscheduled Death(s)
SAC= Required Scheduled Sacrifice(s)

Macroscopic Pathology Page 3

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR MALES

Project Number: 7491 Species: rat

Tissue/ Observation/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	UDS	SAC	UDS	SAC	UDS	SAC	UDS	SAC
All Tissues	(0)	(5)	(0)	(5)	(0)	(5)	(0)	(0)
Within Normal Limits	0	5	0	5	0	5	0	0
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(5)	(5)	(0)
Discolored, dark	0	0	0	0	0	0	5	0
bilateral	0	0	0	0	0	1	5	0
focus(i), dark	0	0	0	0	1	0	0	0
single, unilateral	0	0	0	0	0	5	0	0
Digestive tract	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)
distention, gas	0	0	0	0	0	0	4	0
Eye, Cornea	(0)	(0)	(0)	(0)	(1)	(2)	(4)	(0)
Corneal opacity(ies)	0	0	0	0	1	2	0	0
unilateral	0	0	0	0	0	5	0	0
bilateral	0	0	0	0	0	5	0	0
Ulcer	0	0	0	0	0	0	4	0
bilateral	0	0	0	0	0	0	4	0
Liver	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)
Congestion	0	0	0	0	0	0	2	0
Discolored, dark	0	0	0	0	0	0	5	0
multifocal	0	0	0	0	0	0	5	0
Discolored, pale	0	0	0	0	0	0	2	0
focal	0	0	0	0	0	0	2	0
Focus(i), pale	0	0	0	0	0	0	2	0
single	0	0	0	0	0	0	5	0
multiple	0	0	0	0	0	0	5	0
Lung	(0)	(0)	(0)	(5)	(0)	(0)	(5)	(0)
Congestion	0	0	0	0	0	0	2	0
Discolored, mottled	0	0	0	2	0	0	1	0
Failure to collapse	0	0	0	0	0	0	3	0
Focus(i), dark	0	0	0	5	0	2	1	0
single	0	0	0	5	0	2	0	0
multiple	0	0	0	2	0	0	5	0
Nose	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(0)
Obstructed	0	0	0	0	0	0	3	0
Obstruction, partial	0	0	0	0	0	5	0	0
Remaining Tissues	(0)	(0)	(0)	(5)	(0)	(5)	(0)	(0)
Within Normal Limits	0	0	0	5	0	5	3	0

Titles:
Group 5 control/recovery
Group 6 0.5 mm/recovery
Group 7 1.0 mm/recovery
Group 8 2.0 mm/recovery
All analyses were oriented.

(i) = Total Findings
UDS= Unscheduled Death(s)
SAC= Protocol Scheduled Sacrifice(s)

Percentage: Incidence Rounds ...

0 0 3 2

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR FEMALES

Project Number: 7491 [illegible] rat

Tissue/ Observation/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	90S	SAC	90S	SAC	90S	SAC	90S	SAC
All Tissues	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Within Normal Limits	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Adrenal Gland	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
focal, bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size increased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Digestive tract	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Distention, gas	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eye	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Hemorrhage	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
focal, unilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eye, Cornea	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Corneal opacity(ies)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
unilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ulcer	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Liver	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Congestion	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, pale	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
focal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multifocal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lung	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Congestion	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, mottled	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Failure to collapse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
partial	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Focus(i), dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multiple	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nose	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstructed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstruction, partial	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spleen	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size decreased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Thymus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size decreased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
marked	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Uterus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Fluid-filled, cystic change	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Legend:

Group 5 control/recovery
Group 6 0.5 mg recovery
Group 7 1.0 mg recovery
Group 8 2.0 mg recovery
All modifiers are grouped.

(n) = total findings
90S= Unscheduled Deaths(s)
SAC= Terminal Scheduled Sacrifices

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR FEMALES (Cont'd.)

Project Number: 7491 Species: rat

Tissue/ Observation/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	UDS	SAC	UDS	SAC	UDS	SAC	UDS	SAC
Remaining Tissues	(0)	(1)	(0)	(5)	(0)	(5)	(5)	(0)
Within Normal Limits	0	1	0	5	0	5	5	0

Titles:

Group 5 control/recovery
Group 6 0.5 mm/recovery
Group 7 1.0 mm/recovery
Group 8 2.0 mm/recovery
All modifiers are related.

O = Fatal Findings
UDS= Unscheduled Death(s)
SAC= Protocol Scheduled Sacrifice(s)

0 0 3 4

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR MALES

Project Number: 7491 Species: rat

Tissue/ Observation/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	00S	SAC	00S	SAC	00S	SAC	00S	SAC
All Tissues	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Within Normal Limits	2	0	0	0	0	0	0	0
Adrenal Gland	(0)	(0)	(0)	(0)	(5)	(0)	(5)	(0)
Discolored, dark	0	0	0	0	5	0	5	0
bilateral	0	0	0	0	5	0	5	0
Focus(i), dark	0	0	0	0	0	0	0	0
single, unilateral	0	0	0	0	0	0	0	0
Digestive tract	(0)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Distention, gas	0	0	5	0	5	0	5	0
Eye	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Hemorrhage	1	0	0	0	0	0	0	0
focal, unilateral	1	0	0	0	0	0	0	0
Eye, Cornea	(0)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Corneal opacity(ies)	0	0	0	0	0	0	5	0
diffuse, mild, bilateral	0	0	0	0	0	0	5	0
Ulcer	0	0	0	0	5	0	5	0
bilateral	0	0	0	0	5	0	5	0
General Comments	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(0)
Haircoat rough	0	0	0	0	0	0	5	0
Soiling, face, oral/nasal discharge	0	0	0	0	0	0	5	0
Kidney	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Congestion	0	0	0	0	1	0	0	1
Liver	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Congestion	0	0	0	0	1	0	0	1
Discolored, dark	0	1	0	0	0	0	0	0
focal	0	0	0	0	0	0	0	0
Discolored, pale	0	0	0	0	0	0	0	0
focal	0	0	0	0	0	0	0	1
multifocal	0	0	0	0	0	0	0	0
Focus(i), pale	0	0	0	0	0	0	0	0
single	0	0	0	0	0	0	0	0
Size decreased	0	0	0	0	0	0	0	0
Lung	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Congestion	0	0	0	0	0	0	0	0
Consolidation	0	0	0	0	0	0	0	0
partial	0	0	0	0	0	0	0	0
Discolored, dark	0	0	0	0	0	0	0	0
multifocal	0	0	0	0	0	0	0	0
Discolored, mottled	0	0	0	0	0	0	0	0
unilateral	0	0	0	0	0	0	0	0
Failure to collapse	0	0	0	0	0	0	0	0
unilateral	0	0	0	0	0	0	0	0

Legend:

Group 9 control/2 week
Group 10 0.5 mg/L week
Group 11 1.0 mg/L week
Group 12 2.0 mg/L week
All modifiers mutually exclusive

(n) = Total Findings
00S= Unscheduled Deaths
SAC= Sacrificed Scheduled Sacrifices

0 0 9 5

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR MALES (Cont'd.)

Project Number: [illegible]

Tissue/ Observation/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	DOS	SAC	DOS	SAC	DOS	SAC	DOS	SAC
Lung (continued)								
Focus(i), dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
single	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multiple	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lymph Node, Mandibular	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, mottled	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, red	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
unilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nose	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstructed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstruction, partial	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spleen	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size decreased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Thymus	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, mottled	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Remaining Tissues	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Within Normal Limits	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Titles:
Group 9 control/4 week
Group 10 0.5 mg/4 week
Group 11 1.0 mg/4 week
Group 12 2.0 mg/4 week
All subfiles are printed.

(*) = Fatal Findings
DOS= Unscheduled Death(s)
SAC= Neutered Scheduled Sacrifice(s)

Nonsequence Incidence Page: 2

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RAT

PROPRIETARY

OVERALL INCIDENCE FOR FEMALES

Project Number: [illegible] Species: cat

Tissue/ Observation/ Modifier(s)	Group [illegible]		Group [illegible]		Group [illegible]		Group [illegible]	
	MOS	SAC	MOS	SAC	MOS	SAC	MOS	SAC
All Tissues	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Within Normal Limits	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Adrenal Gland	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Focus(i), dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multiple, unilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size increased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Digestive Tract	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Distention, gas	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Eye, Cornea	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Corneal opacity(ies)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
diffuse, mild, bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Ulcer	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
unilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Kidney	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Liver	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Congestion	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
focal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multifocal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, pale	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
focal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multifocal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lung	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, mottled	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Failure to collapse	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Focus(i), dark	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
multiple	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Lymph Node, Mandibular	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Discolored, mottled	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
bilateral	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Nose	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstructed	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Obstruction, nasal	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Spleen	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Size decreased	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Legend:

Group [illegible] (control), [illegible] week — (i) = Total Findings

Group [illegible] 0.5 ppm/[illegible] week — MOS = Unscheduled Death(s)

Group [illegible] 1.0 ppm/[illegible] week — SAC = Protocol Scheduled Sacrifice(s)

Group [illegible] 2.0 ppm/[illegible] week

All values are presented. — *Accompanying Tissue = Lungs

0 0 9 7

TABLE X (Cont'd)

TABLE VII (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

OVERALL INCIDENCE FOR FEMALES (Cont'd.)

Project Number: 7491 Species: rat

Tissue/ Observation/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	UDS	SRC	UDS	SRC	UDS	SRC	UDS	SRC
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Ileum								
Hemorrhage	0	0	1	0	0	0	0	0
multifocal	0	0	1	0	0	0	0	0
Remaining Tissues	(1)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Within Normal Limits	1	0	5	0	5	0	5	0

Fillers:
Group 9 control/2 week
Group 10 0.5 g m/2 week
Group 11 1.0 g m/2 week
Group 12 2.0 g m/2 week
All modifiers - a accepted.

(0) = Total Findings
UDS= Unscheduled Deaths(s)
SRC= Moribund Scheduled Sacrifice(s)

Microscopic Surveillance Page: 2

TABLE VIII

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 1 M	Group 1 F	Group 2 M	Group 2 F	Group 3 M	Group 3 F	Group 4 M	Group 4 F
Adrenal	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	5	5	5	5	5	5
Brain	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	5	5	5	5	5	5
Eye	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	5	5	5	5	5	5
Kidney	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	0	3	0	5	0	2	0
Basophilic tubules, cortex	0	0	0	1	0	1	0	0
unilateral, minimal	0	0	0	1	0	1	0	0
Cyst	0	0	2	0	0	0	2	0
focal, unilateral, minimal	0	0	2	0	0	0	1	0
focal, unilateral, mild	0	0	0	0	0	0	1	0
Mineralization	0	5	0	4	0	5	0	5
multifocal, bilateral, minimal	0	0	0	2	0	3	1	3
multifocal, bilateral, mild	0	3	0	3	0	2	0	1
multifocal, bilateral, moderate	0	2	0	0	0	0	0	1
Nephritis, interstitial, chronic	0	1	2	1	0	1	3	1
bilateral, minimal	0	1	1	0	0	0	1	0
unilateral, minimal	0	0	1	1	0	1	2	1
Larynx	(5)	(4)	(5)	(5)	(5)	(5)	(4)	(4)
Within normal limits	4	4	4	4	4	4	4	4
Desquamation, epithelium	0	0	0	0	1	0	0	0
focal, mild	0	0	0	0	1	0	0	0
Hemorrhage	0	0	1	0	0	0	0	0
minimal	0	0	1	0	0	0	0	0
Liver	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	0	1	1	2	1	2	0	1
Hematopoiesis, extramedullary	5	0	4	0	4	0	5	4
minimal	4	0	4	0	4	0	5	4
Hepatocyte vacuolation, multifocal	0	0	0	1	0	0	0	2
minimal	0	0	0	1	0	0	0	2
Hepatocyte vacuolation, periportal	0	0	0	1	0	0	0	0
minimal	0	0	0	1	0	0	0	0
Mononuclear cell foci, parenchyma	0	0	0	0	0	1	0	2
minimal	0	0	0	0	0	1	0	2
Necrosis	0	0	1	0	0	0	0	0
focal, mild	0	0	1	0	0	0	0	0
Portal mononuclear cell infiltrate	0	1	0	0	0	2	0	1
minimal	0	1	0	0	0	2	0	1

Titles
Group 1 control/acute
Group 2 0.5 ppm/acute
Group 3 1.0 ppm/acute
Group 4 [illegible] ppm/acute
All modifiers are reported

(N) - Total Examined

TABLE VIII (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 2491 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 1 M	Group 1 F	Group 2 M	Group 2 F	Group 3 M	Group 3 F	Group 4 M	Group 4 F
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Lung								
Within normal limits	4	3	3	3	1	4	1	1
Alveolar macrophages								
focal, minimal	0	1	1	0	0	0	0	2
multifocal, minimal	0	1	0	0	0	0	0	0
multifocal, mild	0	0	0	0	0	0	0	1
Hemorrhage	0	0	1	0	0	0	0	0
minimal	1	1	1	2	3	1	4	1
Ossification	1	1	1	2	3	1	4	1
parenchyma, focal, minimal	0	0	1	0	1	0	0	0
Perivascular mononuclear infiltrate	0	0	1	0	1	0	0	0
multifocal, minimal	0	0	0	0	0	0	1	2
Pneumonia, interstitial, chronic	0	0	0	0	0	0	1	3
focal, minimal	0	0	1	0	0	0	0	1
multifocal, mild	0	0	0	0	0	0	0	1
Vascular mineralization	0	0	1	0	0	0	0	0
minimal	0	0	0	0	0	0	1	0
Lymph Node (mandibular)	0	0	0	0	0	0	1	0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	0	3	0	1	1	0	0	0
Hemorrhage	3	4	5	4	4	3	5	4
minimal	4	2	2	2	1	3	4	1
mild	1	0	3	1	3	0	1	0
moderate	0	0	0	1	0	0	0	0
Hyperplasia	2	1	4	2	1	4	2	4
minimal	0	0	0	1	0	1	1	0
mild	2	1	4	1	1	3	1	4
Plasmacytosis, medullary	0	0	0	0	1	0	1	1
mild	0	0	0	0	1	0	1	1
Lymph Node (mediastinal)	(4)	(4)	(5)	(4)	(4)	(5)	(2)	(4)
Within normal limits	3	2	3	3	4	1	1	2
Hemorrhage	1	2	0	2	0	3	2	1
minimal	1	2	0	2	0	3	2	2
Nasal Cavity I	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	4	5	5	5	2	4	2	1
Desquamation, epithelium	0	0	0	0	0	0	1	1
multifocal, mild	0	0	0	0	0	0	1	0
patchy, moderate	0	0	0	0	0	0	0	1
Necrosis, epithelium	0	0	0	0	3	1	1	2
multifocal, minimal	0	0	0	0	1	0	0	0
patchy, minimal	0	0	0	0	0	0	1	1
patchy, mild	0	0	0	0	2	1	0	1
patchy, moderate	0	0	0	0	0	0	0	1
diffuse, mild	0	0	0	0	0	0	1	1

Key:
Group 1 control group
Group 2 10 ppm group
Group 3 100 ppm group
Group 4 1000 ppm group
All modifiers are grouped

(5) - Total Examined

TABLE X (Cont'd)

TABLE VIII (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 1		Group 2		Group 3		Group 4	
	M	F	M	F	M	F	M	F
Nasal Cavity I (continued)								
Ulcer	1	0	0	0	0	0	0	0
focal, minimal	1	0	0	0	0	0	0	0
Nasal Cavity II	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	4	5	5	5	0	0	0	0
Desquamation, epithelium	0	0	0	0	0	0	1	0
multifocal, mild	0	0	0	0	0	0	1	0
Necrosis, epithelium	0	0	0	0	5	5	4	4
diffuse, mild	0	0	0	0	3	2	3	1
diffuse, moderate	0	0	0	0	2	3	1	4
Nasal Cavity III	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	4	5	5	0	1	0
Desquamation, epithelium	0	0	0	0	0	0	0	1
multifocal, minimal	0	0	0	0	0	0	0	1
Necrosis, epithelium	0	0	0	0	5	5	4	5
multifocal, minimal	0	0	0	0	2	1	1	0
multifocal, mild	0	0	0	0	0	3	0	1
patchy, mild	0	0	1	0	1	1	2	3
patchy, moderate	0	0	0	0	0	0	0	1
diffuse, mild	0	0	0	0	0	0	1	0
Nasal Cavity IV	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	4	5	5	4	0	1
Desquamation, epithelium	0	0	0	0	0	0	1	0
multifocal, mild	0	0	0	0	0	0	1	0
Exudate, fibrinous	0	0	0	1	3	1	1	0
minimal	1	0	1	0	1	1	0	0
mild	1	0	1	1	2	1	1	0
Exudate, serous	0	0	1	0	1	0	0	0
mild	0	0	1	0	1	0	0	0
Necrosis, epithelium	0	0	0	0	3	1	5	4
multifocal, mild	0	0	0	0	0	0	1	1
patchy, minimal	0	0	1	0	1	0	0	0
patchy, mild	0	0	0	0	0	1	2	2
diffuse, mild	0	0	0	0	1	0	2	1
diffuse, moderate	0	0	0	0	2	0	0	0

Titles:
Group 1 control/acute
Group 2 [illegible] ppm/acute
Group 3 [illegible] ppm/acute
Group 4 [illegible] ppm/[illegible]
All modifiers are presented

(5) Total Examined

TABLE VIII (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 1 M	Group 1 F	Group 2 M	Group 2 F	Group 3 M	Group 3 F	Group 4 M	Group 4 F
	(5)	(5)	(5)	(5)	(5)	(5)	(4)	(5)
Nasal Cavity V	5	5	5	2	4	3	0	2
Within normal limits	0	0	0	0	0	1	2	3
Exudate, fibrinous	0	0	0	0	0	0	0	0
minimal	0	0	0	0	0	1	2	1
mild	0	0	0	0	1	1	1	1
Necrosis, epithelium	0	0	0	0	1	0	0	0
multifocal, minimal	0	0	0	0	1	0	0	0
multifocal, mild	0	0	0	0	1	0	0	0
patchy, minimal	0	0	0	0	0	0	1	0
patchy, mild	0	0	0	0	1	0	3	3
diffuse, mild	0	0	0	0	0	1	0	1
diffuse, moderate	(0)	(5)	(0)	(5)	(0)	(5)	(0)	(5)
Ovary	0	5	0	5	0	5	0	5
Within normal limits	(5)	(5)	(5)	(5)	(5)	(5)	(4)	(5)
Pharynx	4	5	3	4	3	4	4	4
Within normal limits	3	0	2	1	2	3	2	3
Desquamation, epithelium	2	0	2	0	0	0	0	0
focal, minimal	0	0	0	0	0	2	0	2
focal, mild	1	0	0	3	0	0	1	1
multifocal, mild	0	0	0	0	0	0	1	0
patchy, mild	0	0	0	0	0	0	0	0
patchy, moderate	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Spleen	5	5	5	5	5	5	5	5
Within normal limits	(5)	(0)	(5)	(0)	(5)	(5)	(5)	(0)
Testis	5	0	5	0	5	0	5	0
Within normal limits	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Thymus	0	2	1	2	2	2	2	2
Within normal limits	5	3	4	3	3	3	3	3
Hemorrhage	5	3	4	2	3	2	3	3
minimal	0	0	0	1	0	0	0	0
mild	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Trachea	1	2	0	1	0	0	0	0
Within normal limits	1	3	5	4	5	5	5	5
Desquamation, epithelium	0	2	2	1	0	2	2	1
multifocal, minimal	1	1	1	3	1	1	3	3
multifocal, mild	0	0	0	0	2	0	1	1
patchy, mild	0	0	0	0	2	2	0	0
patchy, moderate	0	0	0	1	0	0	0	0
Hemorrhage	0	0	0	1	0	0	0	0
focal, subepithelial, mild	0	0	0	0	1	0	1	0
Necrosis, epithelium	0	0	0	0	1	0	0	0
patchy, moderate	0	0	0	0	0	0	1	0
diffuse, minimal								

(0) - Total Examined

Titles:
Group 1 - Control, acute
Group 2 - 1000 ppm, acute
Group 3 - 4000 ppm, acute
Group 4 - 10000 ppm, acute
All modifiers are present

TABLE IX

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7191 Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	M	F	M	F	M	F	M	F
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Adrenal								
Within normal limits	5	5	5	5	5	5	5	4
Congestion	0	0	0	0	0	0	0	1
mild	0	0	0	0	0	0	0	1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Brain								
Within normal limits	5	5	5	5	5	5	5	5
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Eye								
Within normal limits	5	5	5	5	5	4	4	0
Desquamation, epithelium	0	0	0	0	0	0	2	5
cornea, bilateral, moderate	0	0	0	0	0	0	1	2
cornea, unilateral, mild	0	0	0	0	0	0	1	0
cornea, unilateral, moderate	0	0	0	0	0	0	2	3
Keratitis, acute	0	0	0	0	0	0	3	1
bilateral, minimal	0	0	0	0	0	0	0	1
bilateral, mild	0	0	0	0	0	0	1	0
unilateral, minimal	0	0	0	0	0	0	1	0
unilateral, moderate	0	0	0	0	0	0	1	0
Keratitis, chronic	0	0	0	0	0	1	0	0
unilateral, mild	0	0	0	0	0	1	0	0
Necrosis	0	0	0	0	0	0	0	3
epithelium, cornea, bilateral, minimal	0	0	0	0	0	0	0	1
epithelium, cornea, bilateral, mild	0	0	0	0	0	0	0	1
epithelium, cornea, unilateral, minimal	0	0	0	0	0	0	0	1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Kidney								
Within normal limits	3	0	1	0	3	0	2	0
Alpha 2 u globulin inclusions, tubules	2	0	1	0	0	0	0	0
bilateral, minimal	1	0	0	0	0	0	0	0
bilateral, mild	1	0	1	0	0	0	0	0
Cyst	1	0	1	0	0	0	0	0
focal, unilateral, minimal	1	0	0	0	0	0	0	0
multifocal, bilateral, mild	0	0	1	0	0	0	0	0
Mineralization	0	3	0	3	0	3	0	3
multifocal, bilateral, minimal	0	2	0	2	0	0	1	1
multifocal, bilateral, mild	0	1	0	3	0	3	0	2
multifocal, bilateral, moderate	0	0	0	0	0	2	0	1
multifocal, unilateral, minimal	0	1	0	0	0	0	0	1
Nephritis, interstitial, chronic	1	0	1	1	0	2	1	0
bilateral, minimal	1	0	0	1	0	2	0	0
unilateral, minimal	0	0	1	0	0	0	0	0
unilateral, mild	0	0	0	0	0	0	1	0

Titles
Group 5 control/recovery
Group 6 0.5 ppm/recovery
Group 7 1.0 ppm/recovery
Group 8 2.0 ppm/recovery
All modifiers are printed.

(N) - Total Examined

0 0 4 3

TABLE IX (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	M	F	M	F	M	F	M	F
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Larynx								
Within normal limits	5	5	4	4	4	5	0	0
Exudate, fibrinopurulent	0	0	0	0	0	0	5	5
moderate	0	0	0	0	0	0	2	3
marked	0	0	0	0	0	0	3	2
Exudate, suppurative	0	0	1	1	0	0	0	0
mild	0	0	1	0	0	0	0	0
moderate	0	0	0	1	0	0	0	0
Inflammation, chronic	0	0	0	0	0	2	0	0
minimal	0	0	0	0	0	1	0	0
mild	0	0	0	0	0	1	0	0
Necrosis, epithelium	0	0	0	0	1	0	5	5
patchy, mild	0	0	0	0	1	0	0	0
diffuse, moderate	0	0	0	0	0	0	1	1
diffuse, marked	0	0	0	0	0	0	1	1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Liver								
Within normal limits	3	5	3	3	3	5	0	1
Congestion	0	0	0	0	0	0	3	1
minimal	0	0	0	0	0	0	1	1
mild	0	0	0	0	0	0	2	0
Hematopoiesis, extramedullary	1	0	2	0	1	0	1	0
minimal	1	0	2	0	1	0	1	0
Hepatocyte vacuolation, multifocal	0	0	0	0	0	0	1	2
minimal	0	0	0	0	0	0	1	2
Mononuclear cell foci, parenchyma	0	0	0	1	1	0	2	1
minimal	0	0	0	1	1	0	2	1
Necrosis	0	0	0	0	0	0	2	1
multifocal, mild	0	0	0	0	0	0	1	1
patchy, moderate	0	0	0	0	0	0	1	0
Portal mononuclear cell infiltrate	1	0	0	1	0	0	0	2
minimal	1	0	0	1	0	0	0	2
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Lung								
Within normal limits	5	4	5	5	5	5	1	1
Alveolar macrophages	0	1	0	0	0	0	0	0
focal, minimal	0	1	0	0	0	0	0	0
Congestion	0	0	0	0	0	0	3	1
moderate	0	0	0	0	0	0	2	1
Desquamation, epithelium	0	0	0	0	0	0	2	0
bronchi, mild	0	0	0	0	0	0	1	0
bronchi, moderate	0	0	0	0	0	0	2	0
cornea, moderate	1	0	0	0	0	0	1	0

Titles:
Group 5 - control - air - vehicle
Group 6 - 0.1 ppm - air - vehicle
Group 7 - 1.0 ppm - air - vehicle
Group 8 - 2.0 ppm - air - vehicle
M - modified - air - vehicle

(5) - Total Examined

0 0 4 4

TABLE IX (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) X1-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5 M	Group 5 F	Group 6 M	Group 6 F	Group 7 M	Group 7 F	Group 8 M	Group 8 F
Lung (continued)								
Edema	0	0	0	0	0	0	2	0
minimal	0	0	0	0	0	0	2	0
Exudate, suppurative	0	0	0	0	0	0	1	0
bronchi, moderate	0	0	0	0	0	0	1	0
Granuloma	0	0	0	0	2	2	0	0
multifocal, minimal	0	0	0	0	0	1	0	0
multifocal, mild	0	0	0	0	2	1	0	0
Hemorrhage	0	0	0	0	0	0	3	3
minimal	0	0	0	0	0	0	3	3
Ossification	0	0	0	0	0	0	0	1
parenchyma, focal, minimal	0	0	0	0	0	0	0	1
Perivascular mononuclear infiltrate	0	0	1	0	1	0	0	0
focal, minimal	0	0	0	0	1	0	0	0
Pneumonia, acute exudative	0	0	0	0	0	0	1	0
multifocal, mild	0	0	0	0	0	0	1	0
Pneumonia, interstitial, chronic	0	0	0	0	0	0	1	1
focal, minimal	0	0	0	0	0	0	1	0
multifocal, minimal	0	0	0	0	0	0	0	1
Vascular mineralization	2	1	0	0	1	0	0	1
minimal	2	1	0	0	1	0	0	1
	(53)	(51)	(53)	(53)	(48)	(53)	(53)	(53)
Lymph Node (mandibular)								
Within normal limits	0	2	1	3	2	0	2	0
Hemorrhage	3	3	2	0	1	2	0	1
minimal	2	3	2	0	1	2	0	1
Hyperplasia	1	1	2	1	0	2	0	2
minimal	1	0	0	0	0	0	0	0
mild	0	1	2	1	0	2	0	2
Necrosis, single cell	0	0	0	0	0	0	2	3
minimal	0	0	0	0	0	0	1	2
mild	0	0	0	0	0	0	1	1
Plasmacytosis, medulla	3	0	0	2	1	1	2	1
minimal	1	0	0	0	1	0	0	0
mild	1	0	0	2	0	0	2	1
moderate	1	0	0	0	0	1	0	0
	(53)	(53)	(54)	(48)	(51)	(53)	(52)	(52)
Lymph Node (mediastinal)								
Within normal limits	2	1	4	4	1	3	2	1
Hemorrhage	1	2	0	0	0	0	0	1
minimal	0	1	0	0	0	0	0	1
mild	1	0	0	0	0	0	0	0

Titles
Group 5 control/recovery
Group 6 [illegible] mg/m³/recovery
Group 7 1.0 mg/m³/recovery
Group 8 2.0 mg/m³/recovery
M - Male; F - Female

(N) - Total Examined

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species [illegible]

Tissue/ Diagnosis/ Modifier(s)	Group [illegible] M	Group [illegible] F	Group [illegible] M	Group [illegible] F	Group [illegible] M	Group [illegible] F	Group [illegible] M	Group [illegible] F
Nasal Cavity I	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	2	[illegible]	0	0	0	0
Exudate, fibrinopurulent	0	0	0	0	5	3	5	5
minimal	0	0	0	0	2	2	0	0
mild	0	0	0	0	3	1	0	0
moderate	0	0	0	0	0	0	2	5
marked	0	0	0	0	0	0	1	0
Exudate, suppurative	0	0	3	2	0	0	0	0
minimal	0	0	2	1	0	0	0	0
mild	0	0	1	1	0	0	0	0
Hemorrhage	0	0	0	0	0	1	0	0
interstitial, mild	0	[illegible]	0	0	0	1	0	[illegible]
Necrosis, epithelium	0	0	0	0	4	4	5	5
focal, minimal	0	0	0	0	1	3	1	0
focal, mild	0	0	0	0	1	0	1	0
multifocal, minimal	0	0	0	0	0	1	0	0
patchy, moderate	0	0	0	0	2	0	1	0
diffuse, moderate	0	0	0	0	0	0	0	2
diffuse, marked	0	0	0	0	0	0	2	3
Ulcer	0	0	4	4	0	0	0	0
focal, minimal	0	0	1	2	0	0	0	0
focal, moderate	0	0	0	0	0	0	0	0
multifocal, moderate	0	0	0	1	0	0	0	0
Nasal Cavity II	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	0	1	0	0	0	0
Desquamation, epithelium	0	0	2	0	0	0	0	0
focal, mild	0	0	1	0	0	0	0	0
patchy, moderate	0	0	2	0	0	1	0	0
Exudate, fibrinopurulent	0	0	5	0	1	3	3	1
minimal	0	0	2	0	3	1	0	1
mild	0	0	0	1	1	2	0	2
moderate	0	0	0	0	1	1	2	1
marked	0	0	0	0	0	0	3	2
Exudate, suppurative	0	0	1	1	0	0	0	0
minimal	0	0	2	2	0	0	0	2
mild	0	0	1	1	0	0	0	0
moderate	0	0	2	0	0	0	0	0
Hypoplasia	0	0	1	0	1	0	0	0
epithelium, patchy, mild	0	0	0	0	1	0	0	1
Necrosis, epithelium	1	0	0	0	5	5	5	5
multifocal, mild	0	0	0	0	0	1	0	0
patchy, mild	0	0	0	0	3	2	0	0
patchy, moderate	0	0	0	0	2	2	0	0
diffuse, marked	0	1	1	1	0	2	5	5

Titles:
Group [illegible] Control/recovery
Group [illegible] 0.5 ppm/recovery
Group [illegible] 1.0 ppm/recovery
Group [illegible] 2.0 ppm/recovery
All modifiers recorded

(5) = Total Examined

TABLE IX (Cont'd)
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	M	F	M	F	M	F	M	F
Nasal Cavity II (continued)								
Ulcer	0	0	4	4	0	0	0	0
focal, minimal	0	0	1	0	0	0	0	0
focal, mild	0	0	2	0	0	0	0	0
multifocal, moderate	0	0	1	4	0	0	0	0
Nasal Cavity III	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	1	2	0	0	0	0
Desquamation, epithelium	0	0	4	3	0	0	0	0
focal, minimal	0	0	1	0	0	0	0	0
multifocal, minimal	0	0	0	2	0	0	0	0
multifocal, mild	0	0	2	1	0	0	0	0
patchy, moderate	0	0	1	0	0	0	0	0
Exudate, fibrinopurulent	0	0	0	3	0	3	3	2
minimal	0	0	0	0	0	2	0	1
mild	0	0	0	0	0	1	2	0
moderate	0	0	0	0	0	0	1	1
Exudate, suppurative	0	0	4	0	0	0	0	0
minimal	0	0	2	0	0	0	0	0
Hypoplasia	0	0	0	0	1	1	0	0
epithelium, multifocal, mild	0	0	0	0	0	1	0	0
epithelium, patchy, mild	0	0	0	0	1	0	0	0
Necrosis, epithelium	0	0	0	0	5	5	5	5
multifocal, minimal	0	0	0	0	1	2	0	0
multifocal, mild	0	0	0	0	1	1	0	0
patchy, mild	0	0	0	0	0	0	0	0
patchy, moderate	0	0	0	0	0	2	2	2
diffuse, moderate	0	0	0	0	0	0	1	2
diffuse, marked	0	0	0	0	0	0	1	1
Nasal Cavity IV	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	0	1	0	0	0	0
Desquamation, epithelium	0	0	5	3	0	0	0	0
focal, mild	0	0	1	0	0	0	0	0
multifocal, minimal	0	0	0	1	0	0	0	0
multifocal, mild	0	0	4	1	0	0	0	0
Exudate, fibrinopurulent	0	0	0	0	0	1	1	0
mild	0	0	0	0	0	1	1	0
Exudate, fibrinous	0	0	0	0	0	0	0	2
mild	0	0	0	0	0	0	0	1
moderate	0	0	0	0	0	0	0	1
Exudate, suppurative	0	0	3	2	0	0	0	0
minimal	0	0	2	2	0	0	0	0
mild	0	0	1	0	0	0	0	0

(N) = Total Examined

Title
Group 5 control/recovery
Group 6 0.5 ppm/recovery
Group 7 1.0 ppm/recovery
Group 8 [illegible] ppm/recovery
All modifiers are printed.

TABLE IX (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY [illegible] PROPRIETARY

Project Number [illegible] Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	M	F	M	F	M	F	M	F
Nasal Cavity IV (continued)								
Hyperplasia	0	0	0	0	0	2	0	0
epithelium, multifocal, mild	0	0	0	0	0	2	0	0
epithelium, patchy, mild	0	0	0	0	1	0	0	0
Necrosis, epithelium	0	0	0	0	5	5	5	5
multifocal, minimal	0	0	0	0	0	1	0	0
multifocal, mild	0	0	0	0	1	1	0	0
patchy, mild	0	0	0	0	1	1	0	0
patchy, moderate	0	0	0	0	1	0	3	2
diffuse, moderate	0	0	0	0	0	0	2	3
Nasal Cavity V	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	4	4	4	2	0	0
Desquamation, epithelium	0	0	1	1	1	0	0	0
focal, minimal	0	0	0	1	0	0	0	0
multifocal, minimal	0	0	0	0	1	0	0	0
multifocal, mild	0	0	1	0	0	0	0	0
Exudate, fibrinopurulent	0	0	0	0	0	1	1	0
minimal	0	0	0	0	0	1	0	0
mild	0	0	0	0	0	0	0	0
Exudate, fibrinous	0	0	0	0	0	0	0	2
mild	0	0	0	0	0	0	0	2
Exudate, suppurative	0	0	1	0	0	0	0	0
mild	0	0	1	0	0	0	0	0
Hyperplasia	0	0	0	0	0	1	0	0
epithelium, patchy, mild	0	0	0	0	0	1	0	0
Necrosis, epithelium	0	0	0	0	0	0	0	1
patchy, mild	0	0	0	0	0	0	0	1
patchy, moderate	0	0		0	0	0	1	1
diffuse, mild	0	0	0	0	0	0	0	1
diffuse, moderate	0	0	0	0	0	0	2	1
diffuse, marked	0	0		0	0	0	1	0
Ovary	(0)	(5)	(0)	(5)	(0)	(5)	(0)	(5)
Within normal limits	0	5	0	5	0	5	0	5
Pharynx	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	3	2	1	1	4	2	0	2
Desquamation, epithelium	2	3	4	4	1	3	2	3
focal, minimal	0	0	0	1	0	0	0	1
focal, mild	0	0	0	1	0	1	0	0
focal, moderate	0	0	0	1	0	0	0	0
multifocal, minimal	0	0	2	1	0	0	0	0
multifocal, mild	2	2	2	0	0	1	0	2
patchy, mild	0	0	0	0	1	0	1	0
patchy, moderate	0	0	0	0	0	1	1	2

Titles

Group 5 control recovery

Group 6 0.5 ppm/recovery

Group 7 [illegible] ppm/recovery

Group 8 [illegible] ppm/recovery

All modifiers are pooled

(#) = Total Examined

0 0 2 4 8

TABLE IX (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 5		Group 6		Group 7		Group 8	
	M	F	M	F	M	F	M	F
Pharynx (continued)								
Necrosis, epithelium	0	0	0	0	0	0	3	0
patchy, mild	0	0	0	0	0	0	2	0
patchy, moderate	0	0	0	0	0	0	1	0
diffuse, moderate	0	0	0	0	0	0	1	0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Spleen								
Within normal limits	5	5	5	5	5	5	5	5
	(5)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Testis								
Within normal limits	4	0	5	0	5	0	5	0
Arteritis								
focal, unilateral, minimal	1	0	0	0	0	0	0	0
	(5)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Thymus								
Within normal limits	4	4	5	5	4	5	4	0
Hemorrhage								
minimal	1	1	0	2	1	0	3	5
mild	1	1	0	2	1	0	2	5
Hypoplasia								
mild	0	0	0	0	0	0	1	0
Necrosis, single cell	0	0	0	0	0	1	0	0
minimal	0	0	0	0	0	0	1	0
mild	0	0	0	0	0	0	2	1
moderate	0	0	0	0	0	0	1	0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Trachea								
Within normal limits	0	0	0	0	2	5	0	0
Desquamation, epithelium	5	5	5	5	3	2	5	5
focal, mild	0	0	0	0	0	1	0	0
multifocal, minimal	1	1	2	2	1	0	0	0
multifocal, mild	2	4	2	3	1	1	0	0
patchy, mild	0	0	0	0	1	0	0	0
patchy, moderate	0	0	1	0	0	0	0	0
Exudate, fibrinopurulent	0	0	0	0	0	0	5	5
moderate	0	0	0	0	0	0	1	3
marked	0	0	0	0	0	0	4	2
Inflammation, chronic	0	0	0	0	1	1	0	0
epithelium, diffuse, minimal	0	0	0	0	1	1	0	0
Necrosis, epithelium	0	0	0	0	0	0	5	5
diffuse, moderate	0	0	0	0	1	0	0	1
diffuse, marked	0	0	0	0	0	0		4

Titles
Group 5 control/recovery
Group 6 0.5 ppm/recovery
Group 7 1.0 ppm/recovery
Group 8 2.0 ppm/recovery
(1) modifiers are printed.

(5) = Total Examined

J 0 4 9

TABLE X

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	M	F	M	F	M	F	M	F
Adrenal	(5)	(4)	(4)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	4	4	5	5	5	3	2
Congestion	0	0	0	0	0	0	1	3
minimal	0	0	0	0	0	0	1	1
mild	0	0	0	0	0	0	0	2
Hemorrhage	0	0	0	0	0	0	1	0
cortex, focal, unilateral, mild	0	0	0	0	0	0	1	0
Brain	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
within normal limits	5	-	5	5	5	5	5	5
Eye	(5)	(3)	(0)	(5)	(5)	(5)	(5)	(5)
within normal limits	5	3	0	1	0	2	1	0
Desquamation, epithelium	0	0	0	2	1	3	1	5
cornea, bilateral, moderate	0	2	0	0	1	0	2	1
cornea, bilateral, marked	0	0	0	0	0	0	0	1
cornea, unilateral, minimal	0	0	0	0	0	1	0	0
cornea, unilateral, mild	0	0	0	1	1	0	0	0
cornea, unilateral, moderate	0	0	0	1	2	2	2	3
Hyperplasia	0	0	0	1	0	0	1	1
epithelium, cornea, bilateral, mild	0	0	0	1	0	0	0	0
epithelium, cornea, unilateral, mild	0	0	0	0	0	0	0	1
epithelium, cornea, unilateral, moderate	0	0	0	0	0	0	1	0
Keratitis, acute	0	0	1	0	1	0	2	0
bilateral, minimal	0	0	0	0	1	0	0	0
Necrosis	1	0	1	1	2	3	1	1
epithelium, cornea, bilateral, minimal	0	0	0	1	1	1	0	1
epithelium, cornea, bilateral, mild	0	0	0	0	0	1	0	0
epithelium, cornea, unilateral, minimal	0	0	1	1	1	1	0	2
epithelium, cornea, unilateral, mild	0	0	0	0	0	0	1	0
Kidney	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	4	1	3	0	2	0	2	0
Cyst	0	0	0	0	1	0	0	0
focal, medulla, unilateral, mild	0	0	0	0	1	0	0	0
Dilatation, tubular	0	0	0	0	0	0	2	0
cortex, bilateral, mild	0	0	0	2	0	0	1	0
cortex, bilateral, moderate	0	0	0	0	0	0	1	0

Titles
Group 9 = control/2 weeks
Group 10 = 0.5 ppm/2 weeks
Group 11 = 1.0 ppm/2 weeks
Group 12 = 2.0 ppm/2 weeks
All modifiers are primary

(N) = Total Examined

TABLE X (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7411 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	M	F	M	F	M	F	M	F
Kidney (continued)								
Mineralization	0	1	0	5	1	5	0	5
multifocal, bilateral, minimal	0	2	0	0	0	1	0	2
multifocal, bilateral, mild	0	1	0	1	0	3	1	3
multifocal, bilateral, moderate	0	1	0	0	0	1	0	0
multifocal, bilateral, marked	0	0	0	1	0	1	0	0
multifocal, unilateral, minimal	0	0	0	0	1	0	1	0
Nephritis, interstitial, chronic	1	1	0	2	2	0	2	0
bilateral, minimal	0	0	0	1	1	0	1	0
unilateral, minimal	1	1	0	1	1	0	1	0
	(5)	(5)	(2)	(5)	(5)	(5)	(5)	(5)
Larynx								
Within normal limits	5	4	2	0	3	0	0	0
Exudate, fibrinopurulent	0	0	0	1	1	1	5	5
minimal	0	0	0	1	0	1	0	0
mild	0	0	0	0	2	1	0	1
moderate	0	0	0	0	1	2	2	1
marked	0	1	0	0	1	0	3	3
Inflammation, acute	0	0	0	1	1	2	0	0
diffuse, minimal	0	0	0	1	0	0	0	0
diffuse, mild	0	0	0	0	1	0	0	0
diffuse, moderate	0	0	0	0	3	2	0	0
Inflammation, chronic	0	0	0	2	0	0	0	0
diffuse, mild	0	0	0	1	0	0	0	0
Necrosis, epithelium	0	0	0	1	5	5	5	5
focal, minimal	0	0	0	1	0	0	0	0
multifocal, minimal	0	0	0	0	0	1	0	0
multifocal, moderate	0	0	0	0	1	1	0	0
patchy, mild	0	0	0	0	0	1	0	0
patchy, moderate	0	0	0	0	0	0	0	1
diffuse, mild	0	0	0	0	0	0	1	0
diffuse, moderate	0	0	0	0	0	1	0	0
diffuse, marked	0	0	0	0	1	1	1	1
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Liver								
Within normal limits	1	3	1	3	1	1	1	2
Congestion	0	0	0	0	0	0	2	2
minimal	0	0	0	0	0	0	0	1
mild	0	0	0	0	0	0	2	1
Cyst	0	1	0	0	0	0	0	0
focal, minimal	0	1	0	0	0	0	0	0
Fibrosis	0	0	1	0	0	0	0	0
parenchyma, focal, mild	0	0	1	0	0	0	0	0

Titles
Group 9 control/2 week
Group 10 0.5 ppm/2 week
Group 11 1.0 ppm/2 week
Group 12 2.0 ppm/2 week
All modifiers are printed.

(0) = Total Examined

TABLE X (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	M	F	M	F	M	F	M	F
Liver (continued)								
Hematopoiesis, extramedullary	1	0	4	0	1	1	2	0
minimal	4	0	4	0	1	0	2	0
Hepatocyte vacuolation, multifocal	0	0	0	2	0	0	0	2
minimal	0	0	0	2	0	0	0	2
Mononuclear cell foci, parenchyma	0	1	0	1	0	0	0	0
minimal	0	1	0	1	0	0	0	0
Necrosis	0	0	2	1	0	1	1	0
focal, mild	0	0	1	1	0	0	0	0
multifocal, minimal	0	0	0	0	0	1	0	0
multifocal, mild	0	0	0	0	0	0	1	0
patchy, moderate	0	0	1	0	0	0	0	0
Portal mononuclear cell infiltrate	0	0	0	0	0	0	1	0
minimal	0	0	0	0	0	0	1	0
	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Lung								
Within normal limits	5	3	4	2	3	1	0	3
Alveolar macrophages	0	1	0	0	0	0	0	0
focal, minimal	0	1	0	0	0	0	0	0
Congestion	0	0	0	0	0	0	1	2
mild	0	0	0	0	0	0	0	2
moderate	0	0	0	0	0	0	1	0
Exudate, fibrinopurulent	0	0	0	1	0	1	0	0
bronchi, mild	0	0	0	1	0	1	0	0
Hemorrhage	0	0	1	1	2	3	2	1
minimal	0	0	1	1	1	3	1	2
mild	0	0	0	0	1	0	1	0
Necrosis, epithelium	0	0	0	0	0	0	2	0
bronchi, minimal	0	0	0	0	0	0	1	0
bronchi, moderate	0	0	0	0	0	0	1	0
Vascular mineralization	0	1	0	1	0	0	0	1
minimal	0	1	0	1	0	0	0	1
	(5)	(4)	(5)	(5)	(5)	(5)	(5)	(5)
Lymph Node (mandibular)								
Within normal limits	1	1	2	1	3	3	1	1
Hemorrhage	4	3	1	1	2	0	1	2
minimal	4	3	0	1	1	0	1	2
mild	0	0	1	0	1	0	0	0
Hyperplasia	1	1	0	1	1	0	0	0
mild	1	1	0	1	1	0	0	0
Necrosis, single cell	0	0	0	0	1	2	1	1
minimal	0	0	0	0	1	1	0	2
mild	0	0	0	0	1	1	0	2
moderate	0	0	0	0	0	0	1	0

Titles
Group 9 control/2 week
Group 10 0.5 ppm/2 week
Group 11 1.0 ppm/2 week
Group 12 2.0 ppm/2 week
All modifiers are printed.

(N) = Total Examined

TABLE X (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species: Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9 M	Group 9 F	Group 10 M	Group 10 F	Group 11 M	Group 11 F	Group 12 M	Group 12 F
Lymph Node (mediastinal)	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Within normal limits	10	10	10	10	10	10	10	10
Nasal Cavity I	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Within normal limits	10	10	10	10	10	10	10	10
Exudate, fibrinopurulent	0	0	2	5	5	4	2	5
minimal	0	0	0	0	0	0	0	0
mild	0	0	0	1	0	1	0	2
moderate	0	0	0	3	1	2	4	2
marked	0	0	1	1	4	1	1	1
Necrosis, epithelium	0	0	1	1	3	3	5	5
focal, mild	0	0	0	0	1	0	0	0
multifocal, minimal	0	0	0	0	0	0	0	1
multifocal, mild	0	0	0	1	0	0	0	0
multifocal, moderate	0	0	0	1	0	0	0	0
patchy, moderate	0	0	0	1	0	1	3	2
diffuse, moderate	0	0	0	0	0	1	0	0
diffuse, marked	0	0	1	1	2	1	2	2
Nasal Cavity II	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Within normal limits	10	10	0	0	0	0	0	0
Exudate, fibrinopurulent	0	0	1	3	5	4	5	5
moderate	0	0	2	0	1	0	0	1
marked	0	0	3	1	4	4	5	4
Necrosis, epithelium	0	0	5	5	5	4	5	5
diffuse, moderate	0	0	1	0	0	0	0	0
diffuse, marked	0	0	4	5	5	4	5	5
Nasal Cavity III	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Within normal limits	10	10	0	0	0	0	0	0
Exudate, fibrinopurulent	0	0	7	1	2	2	5	5
minimal	0	0	1	1	2	0	0	1
mild	0	0	1	0	0	2	2	2
moderate	0	0	0	0	0	0	1	2
marked	0	0	0	0	0	0	2	0
Necrosis, epithelium	0	0	5	5	5	4	5	5
multifocal, mild	0	0	2	2	3	2	0	0
multifocal, moderate	0	0	1	2	2	1	0	0
patchy, moderate	0	0	2	1	0	1	3	5
diffuse, marked	0	0	0	0	0	0	2	0
Nasal Cavity IV	(10)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
Within normal limits	10	10	0	0	0	0	0	0
Desquamation, epithelium	0	0	1	0	0	0	0	0
focal, mild	0	0	1	0	0	0	0	0

Titles:
Group 9 control/2 week
Group 10 0.5 ppm/2 week
Group 11 1.0 ppm/2 week
Group 12 2.0 ppm/2 week
All modifiers are pooled.

(N) = Total Examined

TABLE X (Cont'd)
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	M	F	M	F	M	F	M	F
Nasal Cavity IV (continued)								
Exudate, fibrinopurulent	0	0	1	0	3	1	5	5
minimal	0	0	1	0	2	1	0	1
mild	0	0	0	0	1	0	3	3
moderate	0	0	0	0	0	0	1	1
marked	0	0	0	0	0	0	1	0
Necrosis, epithelium	0	0	4	5	5	4	5	5
multifocal, minimal	0	0	0	0	1	2	0	0
multifocal, mild	0	0	4	3	3	2	1	0
multifocal, moderate	0	0	0	2	1	0	0	1
patchy, mild	0	0	0	0	0	0	0	2
patchy, moderate	0	0	0	0	0	0	3	2
diffuse, moderate	0	0	0	0	0	0	1	0
	(5)	(5)	(5)	(5)	(5)	(4)	(5)	(5)
Nasal Cavity V								
Within normal limits	4	4	0	3	0	1	0	0
Desquamation, epithelium	1	1	2	0	1	0	0	4
focal, minimal	0	0	0	0	1	0	0	0
multifocal, minimal	0	1	1	0	0	0	0	0
multifocal, mild	1	0	1	0	0	0	0	0
Exudate, fibrinopurulent	0	0	0	0	3	2	4	3
minimal	0	0	0	0	2	1	0	1
mild	0	0	0	0	1	1	0	0
moderate	0	0	0	0	0	0	3	0
marked	0	0	0	0	0	0	1	0
Necrosis, epithelium	0	0	1	2	4	2	3	4
focal, mild	0	0	2	0	0	0	0	0
multifocal, minimal	0	0	0	0	1	2	0	0
multifocal, mild	0	0	1	1	2	0	0	2
multifocal, moderate	0	0	0	1	1	0	0	0
patchy, mild	0	0	0	0	0	0	0	1
patchy, moderate	0	0	0	0	0	0	2	2
diffuse, moderate	0	0	0	0	0	0	2	0
	(0)	(5)	(0)	(1)	(0)	(3)	(0)	(5)
Ovary								
Within normal limits	0	5	0	5	0	4	0	5
Cyst	0	0	0	0	0	1	0	0
unilateral, mild	0	0	0	0	0	1	0	0

Titles
Group 9 control/2 week
Group 10 0.5 ppm/2 week
Group 11 1.0 ppm/2 week
Group 12 2.0 ppm/2 week
All modifiers are marked.

(N) = Total Examined

TABLE X (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number 7491 Species Rat

Tissue/ Diagnosis/ Modifier(s)	Group 9 M	Group 9 F	Group 10 M	Group 10 F	Group 11 M	Group 11 F	Group 12 M	Group 12 F
Pharynx	(5)	(5)	(5)	(5)	(5)	(4)	(5)	(5)
Within normal limits	2	4	0	3	1	0	1	1
Desquamation, epithelium	3	1	3	2	2	3	2	2
focal, minimal	0	0	0	0	0	1	0	1
focal, mild	1	0	1	1	0	0	0	0
multifocal, minimal	1	1	1	0	0	0	0	0
multifocal, mild	1	0	1	0	1	2	0	1
multifocal, moderate	0	0	0	0	1	0	0	0
patchy, moderate	0	0	0	1	0	0	2	1
Exudate, fibrinopurulent	0	0	0	0	0	0	1	0
mild	0	0	0	0	0	0	1	0
Necrosis, epithelium	0	0	2	0	2	1	2	1
focal, minimal	0	0	0	0	0	1	0	0
focal, mild	0	0	2	0	0	0	0	0
multifocal, minimal	0	0	0	0	2	0	0	0
patchy, mild	0	0	0	0	0	0	0	1
patchy, moderate	0	0	0	0	0	0	2	0
Spleen	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	5	5	5	5	5	5	5	4
Necrosis, single cell	0	0	0	0	0	0	0	1
minimal	0	0	0	0	0	0	0	1
Testis	(5)	(0)	(5)	(0)	(5)	(0)	(5)	(0)
Within normal limits	5	0	5	0	5	0	5	0
Thymus	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	2	3	3	3	2	2	3	0
Hemorrhage	1	2	2	2	0	2	0	2
minimal	1	2	2	1	0	2	0	1
mild	0	0	0	1	0	0	0	1
Necrosis, single cell	2	0	2	0	3	2	2	5
minimal	0	0	1	0	0	1	0	0
mild	0	0	1	0	3	1	1	5
marked	0	0	0	0	0	0	1	0
Trachea	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Within normal limits	2	5	0	0	0	0	0	0
Desquamation, epithelium	3	0	0	0	0	0	0	0
multifocal, minimal	2	0	0	0	0	0	0	0
multifocal, mild	0	0	0	0	0	0	0	0

Titles
Group 9 control/ week
Group 10 0.5 ppm/ week
Group 11 1.0 ppm/ week
Group 12 2.0 ppm/ week
All modifiers are printed

(#) - Total Examined

TABLE X (Cont'd)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

PROPRIETARY

INCIDENCE OF HISTOPATHOLOGIC FINDINGS FOR ALL STUDY ANIMALS

Project Number [illegible] Species: [illegible]

Tissue/ Diagnosis/ Modifier(s)	Group 9		Group 10		Group 11		Group 12	
	M	F	M	F	M	F	M	F
	(5)	(4)	(5)	(5)	(5)	(5)	(5)	(5)
Trachea								
Exudate, suppurative	0	0	0	2	0	0	0	0
minimal	0	0	0	1	0	0	0	0
mild	0	0	0	1	0	0	0	0
Inflammation, acute	0	0	0	1	0	1	0	0
diffuse, minimal	0	0	0	1	0	0	0	0
diffuse, mild	0	0	0	0	0	1	0	0
Necrosis, epithelium	0	0	2	4	5	5	5	5
multifocal, minimal	0	0	0	1	0	0	0	0
multifocal, mild	0	0	0	2	0	1	0	0
multifocal, moderate	0	0	0	0	0	1	0	0
patchy, mild	0	0	1	0	0	0	0	0
patchy, moderate	0	0	0	1	1	1	0	1
diffuse, moderate	0	0	1	0	1	0	0	0
diffuse, marked	0	0	0	0	3	2	3	1
Exudate, fibrinopurulent	0	0	1	0	4	3	3	3
minimal	0	0	0	0	0	1	0	0
mild	0	0	1	0	0	0	0	0
moderate	0	0	0	0	3	1	1	3
marked	0	0	0	0	1	1	1	2

Titles
Group 9 control/2 week
Group 10 0.5 ppm/2 week
Group 11 1.0 ppm/2 week
Group 12 [illegible] ppm/2 week
All modifiers are printed.

(#) = Total Examined

0 0 5 6

PROPRIETARY

APPENDIX I

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS.

BODY WEIGHT ANALYSIS.

GROUPS V-VII. MALE RATS.

CONC. PPM	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
0.0	C0410	244.	304.	363.
	C0411	257.	323.	385.
	C0412	239.	286.	329.
	C0413	259.	320.	371.
	C0414	252.	319.	381.
	MEAN	250.	310.	366.
	ST.DEV.	9.	16.	22.
	N=	5	5	5
0.5	C0420	246.	243.	310.
	C0421	255.	270.	342.
	C0422	243.	282.	347.
	C0423	267.	287.	353.
	C0424	248.	274.	336.
	MEAN	252.	271.	338.
	ST.DEV.	10.	17.	17.
	N=	5	5	5

APPENDIX I (Cont'd.)
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS.
BODY WEIGHT ANALYSIS.
GROUPS V-VII. MALE RATS.

PROPRIETARY

CONC. PPM	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
1.0	C0430	279.	227.	316.
	C0431	255.	201.	300.
	C0432	248.	181.	275.
	C0433	248.	179.	274.
	C0434	245.	179.	257.
	MEAN	255	193.	284.
	ST.DEV.	14.	21.	23
	N=	5	5	5

APPENDIX 2

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY OF DOW CORNING(R) XL-6145A ADDITIVE IN ALBINO RATS.

BODY WEIGHT ANALYSIS.

GROUPS V-VII. FEMALE RATS.

PROPRIETARY

CONC PPM	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
0.0	C0415	234.	242	263.
	C0416	245.	259.	282.
	C0417	254.	276.	294.
	C0418	248.	272.	283.
	C0419	241.	260.	261.
	MEAN	244.	263.	277.
	ST.DEV	8	11.	14.
	N=	5	5	5
0.5	C0425	271.	268.	299.
	C0426	247.	272.	284
	C0427	236.	266.	316.
	C0428	242	247.	275
	C0429	230.	243.	259.
	MEAN	249.	259.	287.
	ST DEV.	15.	13.	22.
	N=	5	5	5

APPENDIX 2 (Cont'd.)
AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) X1-6145A ADDITIVE IN ALBINO RATS.
BODY WEIGHT ANALYSIS.
GROUPS V-VII. FEMALE RATS.

PROPRIETARY

CONC. PPM	ANIMAL NUMBER	DAY 1	DAY 8	DAY 15
1.0	C0435	220.	160.	213.
	C0436	247.	174.	243.
	C0437	260.	230.	268.
	C0438	239.	181.	255.
	C0439	257.	191.	274
	MEAN	245.	187.	251.
	ST.DEV.	16.	26.	24
	N=	5	5	5

APPENDIX 3

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR MALES

ANIMAL NUMBER	BODY WT (G)	BRAIN G	BRN/BW G/100	BRN/BR G/100	LIVER G	LIV/BW G/100	LIV/BR G/100	KIDNEYS G	KID/BW G/100	KID/BR G/100	SPLEEN G	SPL/BW G/100
CAT /RECOVERY												
DAY= 13 C0410	359.6	1.648	0.458	100.0	16.622	4.592	810.92	3.227	0.841	152.0	0.590	0.164
C0411	382.5	2.044	0.535	100.0	19.252	5.036	942.75	3.180	0.832	155.6	0.983	0.257
C0412	325.6	1.962	0.603	100.0	21.346	6.555	683.75	2.682	0.823	137.4	0.555	0.170
C0413	364.3	2.055	0.564	100.0	16.293	4.476	795.24	3.170	0.870	154.3	0.808	0.222
C0414	377.4	1.934	0.512	100.0	16.019	4.244	828.23	3.697	0.980	168.0	0.806	0.213
MEAN:	361.9	1.935	0.551	100.0	16.280	4.618	815.57	3.031	0.837	151.9	0.748	0.205
STD ERR:	9.9	0.124	0.015	0.000	0.857	0.262	42.347	0.291	0.009	3.819	0.079	0.017
N:	5	5	5	5	5	5	5	5	5	5	5	5
0.5/RECOVERY												
DAY= 17 C0420	366.4	2.041	0.557	100.0	15.358	4.359	827.67	2.351	0.717	126.4	0.593	0.194
C0421	343.5	1.916	0.558	100.0	15.425	4.491	805.38	2.394	0.813	145.8	0.784	0.229
C0422	343.1	1.891	0.551	100.0	15.716	4.580	747.42	2.633	0.768	144.1	0.663	0.193
C0423	334.9	2.024	0.605	100.0	15.355	4.587	757.82	2.825	0.844	139.6	0.718	0.212
C0424	326.5	2.014	0.586	100.0	15.094	4.623	788.45	2.876	0.881	150.2	0.813	0.249
MEAN:	351.5	1.969	0.577	100.0	15.385	4.462	742.72	2.697	0.813	141.2	0.715	0.215
STD ERR:	7.6	0.039	0.014	0.000	0.435	0.116	25.325	0.095	0.022	4.048	0.040	0.011
N:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.633	0.643	0.150	TND	0.09	TND	TND	0.021	TND	TND	0.422	TND
1.6/RECOVERY												
DAY= 17 C0430	310.3	1.855	0.598	100.0	13.454	4.336	725.24	2.670	0.845	144.4	0.682	0.220
C0431	295.0	1.862	0.631	100.0	14.833	4.962	798.42	2.701	0.901	145.0	0.558	0.186
C0432	276.6	1.931	0.714	100.0	12.450	4.224	597.05	2.404	0.962	134.4	0.526	0.194
C0433	264.5	1.875	0.709	100.0	12.768	4.827	681.00	2.598	0.982	138.5	0.517	0.195

TND=TEST NOT DONE

PROPRIETARY

APPENDIX 3 (cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

OTHER WEIGHT DATA FOR MALES

ANIMAL NUMBER	BODY WT (g)	BRAIN g	BRN/BW g/100	BRN/BR g/100	LIVER g	LIV/BW g/100	LIV/BR g/100	KIDNEYS g	KID/BW g/100	KID/BR g/100	SPLEEN g	SPL/BW g/100
L.G/RECOVERY (CONTINUED)												
06414	248.3	1.771	0.713	228.5	10.029	4.042	620.84	1.959	0.789	110.7	0.439	0.177
MEAN:	274.7	1.859	0.676	233.0	10.726	4.060	684.13	2.117	0.856	134.1	0.544	0.194
STD ERR.	11.5	0.026	0.025	0.009	0.495	0.132	36.784	0.135	0.036	6.096	0.040	0.007
#:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.001(-)	0.011(-)	0.014(-)	1.000	0.049(-)	0.452	0.124	0.023(-)	0.267	0.074	0.034(-)	0.343

TWO-TAIL MCE DONE

PROPRIETARY

APPENDIX 3 (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) X1-6145A ALLYLINE IN ALBINO RATS

ORGAN WEIGHT DATA FOR MALES

	ANIMAL NUMBER	SPL/BW g/100	LUNGS g	LUN/BW g/100	LUN/BR g/100	ADRENALS g	ADR/BW g/100g	ADR/BR g/100g	TESTES g	TES/BW g/100	TES/BR g/100
CNT./RECOVERY											
DAY= 17	C0410	25.65	1.364	0.375	45.42	0.074	0.020	3.706	0.589	0.164	29.63
	C0411	48.10	1.545	0.403	75.31	0.054	0.015	2.852	3.342	0.874	163.5
	C0412	28.45	2.676	0.516	65.87	0.037	0.011	1.961	2.542	0.780	130.2
	C0413	35.33	1.489	0.419	72.45	0.051	0.014	2.497	3.182	0.873	154.9
	C0414	41.65	1.520	0.365	76.61	0.062	0.017	3.321	2.826	0.749	146.1
	MEAN:	37.44	1.518	0.422	76.17	0.056	0.015	3.331	2.496	0.686	134.9
	STD ERR:	3.718	0.050	0.024	2.929	0.006	0.002	0.304	0.497	0.133	24.44
	N:	5	5	5	5	5	5	5	5	5	5
6.5/RECOVERY											
DAY= 17	C0415	32.08	1.432	0.447	76.57	0.044	0.014	2.348	2.667	0.831	143.3
	C0421	41.14	1.540	0.448	81.36	0.055	0.016	2.876	2.791	0.813	145.7
	C0422	36.26	1.447	0.422	79.08	0.045	0.013	2.481	3.003	0.875	164.1
	C0423	29.47	1.492	0.442	73.37	0.055	0.016	2.793	3.009	0.890	148.7
	C0424	42.46	1.565	0.461	78.63	0.064	0.026	4.487	3.029	0.928	158.2
	MEAN:	37.44	1.443	0.440	77.74	0.057	0.017	2.904	2.900	0.875	152.0
	STD ERR:	2.344	0.020	0.016	2.126	0.006	0.002	0.387	0.073	0.019	3.937
	N:	5	5	5	5	5	5	5	5	5	5
	P:	1.000	TND	TND	TND	TND	TND	TND	TND	TND	TND
1.0/RECOVERY											
DAY= 17	C0416	34.79	1.153	0.334	72.96	0.059	0.017	2.962	3.072	0.991	165.8
	C0417	33.53	1.744	0.534	94.02	0.037	0.012	2.003	2.546	0.849	136.7
	C0418	37.22	1.316	0.357	68.37	0.054	0.026	2.770	2.353	0.833	116.7
	C0419	27.58	1.274	0.462	75.69	0.083	0.031	4.427	2.950	1.115	157.4

TND=TOO FEW DATA

PROPRIETARY

APPENDIX 3 (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) X1-6145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR MALES

ANIMAL NUMBER	SPL/BR g/100	LNGS g	LNG/LW g/100	LNG/BR g/100	ADRENALS g	ADR/BW g/100g	ADR/BR g/100g	TESTIS g	TES/BW g/100	TES/BR g/100
1 G/RECOVERY (CONCLUDED)										
C0414	24.61	1.265	0.517	71.44	0.057	0.023	0.208	2.691	1.088	151.4
MEAN:	71.27	1.413	0.519	74.35	0.057	0.021	0.039	2.301	0.974	145.6
STD ERR:	1.047	0.034	0.024	4.030	0.007	0.001	0.398	0.146	0.052	8.650
N:	5	5	5	5	5	5	5	5	5	5
P:	0.05(-)	0.433	0.128	1.000	0.050	0.345	1.000	0.667	0.231	0.753

TRUNCATE NOT DONE

PROPRIETARY

APPENDIX 4

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR FEMALES

	ANIMAL NUMBER	BODY WT (g)	BRAIN g	BRN/BW g/100	BRN/BR g/100	LIVER g	LIV/BW g/100	LIV/BR g/100	KIDNEYS g	KID/BW g/100	KID/BR g/100	SPLEEN g	PL/BW g/100
CNT./RECOVERY													
DAY= 17	C0415	146.6	2.316	0.819	100.0	11.175	4.532	553.40	2.155	0.874	106.7	0.618	0.250
	C0416	176.3	1.622	0.656	100.0	10.468	3.783	593.55	2.124	0.769	110.5	0.614	0.222
	C0417	161.4	1.451	0.653	100.0	12.103	4.302	652.89	2.013	0.715	108.6	0.674	0.240
	C0418	278.5	1.307	0.490	100.0	11.047	3.998	579.27	1.916	0.694	100.5	0.638	0.231
	C0419	162.5	2.028	0.803	100.0	9.654	3.823	476.33	2.080	0.824	102.5	0.570	0.226
	MEAN:	166.6	1.946	0.732	100.0	10.885	4.007	541.02	2.058	0.775	105.8	0.623	0.234
	STD ERR:	7.1	0.034	0.032	0.000	0.406	0.244	38.601	0.043	0.033	1.866	0.017	0.005
	N:	5	5	5	5	5	5	5	5	5	5	5	5
6.5/RECOVERY													
DAY= 17	C0425	151.0	1.336	0.664	100.0	13.165	4.533	679.38	2.366	0.810	122.0	0.719	0.246
	C0426	173.4	2.016	0.737	100.0	10.759	3.935	533.76	2.024	0.740	100.4	0.630	0.227
	C0427	307.5	1.945	0.632	100.0	14.272	4.643	933.82	2.109	0.686	104.4	0.812	0.264
	C0428	143.5	1.016	0.744	100.0	12.262	4.635	569.63	2.004	0.833	104.9	0.656	0.269
	C0429	255.5	1.667	0.731	100.0	12.755	4.602	629.74	1.866	0.731	100.1	0.705	0.276
	MEAN:	174.4	1.915	0.710	100.0	12.243	4.463	633.28	2.074	0.758	107.2	0.702	0.256
	STD ERR:	11.7	0.124	0.027	0.000	0.647	0.334	34.677	0.083	0.026	4.023	0.033	0.009
	N:	5	5	5	5	5	5	5	5	5	5	5	5
	P:	TND	TND	TND	TND	TND	TND	TND	TND	TND	TND	1.000	1.000
1.0/RECOVERY													
DAY= 17	C0435	187.3	1.716	0.924	100.0	10.429	5.033	607.86	1.844	0.990	107.5	0.441	0.213
	C0436	231.0	2.010	0.883	100.0	12.192	5.278	597.83	1.933	0.836	93.82	0.625	0.184
	C0437	255.5	1.643	0.637	100.0	12.050	4.713	599.89	2.340	0.883	121.5	0.547	0.216
	C0438	144.0	1.894	0.760	100.0	10.888	4.384	577.22	1.832	0.735	96.61	0.507	0.205

TND=TOO SMALL TO DETERMINE

PROPRIETARY

APPENDIX 4 (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR FEMALES

ANIMAL NUMBER	BODY WT (G)	BRAIN g	BRN/BW g/100	BRN/BB g/100	LIVER g	LIV/BW g/100	LIV/BB g/100	KIDNEYS g	KID/BW g/100	KID/BB g/100	SPLEEN g	SPL/BW g/100
1.6/RECOVERY (CONTINUED)												
C0419	172.4	1.964	0.724	100.0	10.284	4.193	624.37	2.398	0.887	118.8	0.637	0.234
MEAN:	181.4	1.894	0.745	100.0	11.351	4.707	599.40	2.003	0.829	106.0	0.511	0.210
STD ERR:	11.0	0.056	0.031	0.000	0.357	0.280	6.265	0.098	0.028	5.009	0.038	0.004
#:	5	5	5	5	5	5	5	5	5	5	5	5
P:	0.147	0.91	0.266	1.000	0.591	0.069	0.393	0.965	0.239	1.000	0.039(-)	0.033(-)

THD-TEST NOT DONE

PROPRIETARY

APPENDIX 4 (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) XI-6145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR FEMALES

	ANIMAL NUMBER	SPL/BR g/100g	LUNGS g	LUN/BW g/100g	LUN/BR g/100g	ADRENALS g	ADR/BW g/100g	ADR/BR g/100g	OVARIES g	OVR/BW g/100g	OVR/BR g/100g
CNT./RECOVERY											
DAY# 17	C0415	30.59	1.147	0.441	54.78	0.085	0.035	4.224	0.126	0.051	6.235
	C0416	31.92	1.127	0.444	49.82	0.064	0.025	3.529	0.085	0.031	4.433
	C0417	34.38	1.335	0.429	66.41	0.100	0.035	5.384	0.150	0.053	8.087
	C0418	31.44	1.375	0.441	64.77	0.095	0.029	4.232	0.142	0.051	7.420
	C0419	28.03	1.094	0.391	53.34	0.092	0.036	4.497	0.151	0.050	7.436
	MEAN:	31.06	1.213	0.452	61.90	0.084	0.032	4.305	0.131	0.049	6.722
	STD ERR:	1.187	0.051	0.009	2.476	0.006	0.002	0.332	0.012	0.005	0.646
	#:	5	5	5	5	5	5	5	5	5	5
0.5/RECOVERY											
DAY# 17	C0426	37.39	1.524	0.535	76.45	0.092	0.032	4.746	0.114	0.039	5.876
	C0427	38.75	1.463	0.534	72.42	0.070	0.026	3.423	0.107	0.039	5.319
	C0428	41.76	1.475	0.479	75.75	0.103	0.034	5.302	0.048	0.039	4.520
	C0429	34.27	1.215	0.456	63.56	0.087	0.032	5.583	0.109	0.045	5.718
	C0430	37.76	1.365	0.435	67.77	0.092	0.034	4.930	0.103	0.040	5.486
	MEAN:	36.34	1.344	0.496	71.45	0.093	0.034	4.845	0.104	0.038	5.384
	STD ERR:	1.631	0.062	0.018	2.749	0.006	0.003	0.365	0.004	0.003	0.236
	#:	5	5	5	5	5	5	5	5	5	5
	P:	1.000	0.131	0.002	0.114	TND	TND	TND	TND	TND	TND
1.5/RECOVERY											
DAY# 17	C0435	45.60	1.211	0.534	70.78	0.065	0.031	3.395	0.066	0.042	5.024
	C0436	40.84	1.332	0.379	65.64	0.061	0.035	3.977	0.076	0.033	3.736
	C0437	45.70	1.149	0.345	74.43	0.099	0.035	5.365	0.113	0.045	6.135
	C0438	36.03	1.341	0.372	72.09	0.080	0.032	4.335	0.072	0.039	3.801

TUT=Test Not Done

PROPRIETARY

APPENDIX 4 (Cont'd.)

AN ACUTE AND 14-DAY REPEATED DOSE INHALATION TOXICITY STUDY
OF DOW CORNING(R) Z1-3145A ADDITIVE IN ALBINO RATS

ORGAN WEIGHT DATA FOR FEMALES

ANIMAL NUMBER	SPL/BR g/100g	LUNGS g	LUN/BW g/100g	LUN/BR g/100g	ADRENALS g	ADR/BW g/100g	ADR/BR g/100g	OVARIES g	OVR/BW g/100g	OVR/BR g/100g
1 G/RECOVERY (CONTROLS)										
C5433	12.17	1.437	1.52m	71.83	0.183	0.038	5.211	0.136	0.050	6.849
MEAN:	27.14	1.345	1.651	71.22	0.244	0.035	4.533	0.097	0.040	5.109
STD ERR:	1.911	0.111	0.103	1.146	0.007	0.002	0.324	0.012	0.004	0.620
N:	5	1	5	5	5	5	5	5	5	5
P:	0.042(-)	1.011(*)	0.11 (**)	0.924(**)	0.494	0.533	0.82	0.196	0.229	0.234

TWO-TAIL #:6 DOSE

PROPRIETARY