

Experiment Number: 20515 - 03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013

Time Report Requested: 13:44:49

First Dose M/F: 04/14/08 / 04/14/08

Lab: BNW

NTP Study Number: C20515
Lock Date: 01/12/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.1.1_001
PWG Approval Date: NONE

Experiment Number: 20515 - 03
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013
 Time Report Requested: 13:44:49
 First Dose M/F: 04/14/08 / 04/14/08
 Lab: BNW

SEX: MALE		WEEK: 105							
OBSERVATION	Control		10 mg/m3		30 mg/m3		100 mg/m3		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Abnormal Breathing	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	2 / 50 DAY 395	
Diarrhea	0 / 0	1 / 50 DAY 535	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	
Excitability	0 / 0	1 / 50 DAY 535	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	
Eye Abnormality	0 / 0	0/50	0 / 0	1 / 50 DAY 143	0 / 0	2 / 50 DAY 703	0 / 0	0/50	
Head Tilt	0 / 0	1 / 50 DAY 591	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	
Impaired Gait	0 / 0	0/50	0 / 0	1 / 50 DAY 563	0 / 0	0/50	0 / 0	1 / 50 DAY 675	
Lethargic	0 / 0	2 / 50 DAY 535	0 / 0	1 / 50 DAY 619	0 / 0	0/50	0 / 0	2 / 50 DAY 199	
Mass Appendage	0 / 0	2 / 50 DAY 451	0 / 0	2 / 50 DAY 535	0 / 0	1 / 50 DAY 563	0 / 0	0/50	

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 20515 - 03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013

Time Report Requested: 13:44:49

First Dose M/F: 04/14/08 / 04/14/08

Lab: BNW

OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
Mass Head	0 / 0	2 / 50 DAY 563	0 / 0	4 / 50 DAY 395	0 / 0	1 / 50 DAY 703	0 / 0	1 / 50 DAY 591
Mass Torso/Dorsal	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 535	0 / 0	4 / 50 DAY 507
Mass Torso/Lateral	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	5 / 50 DAY 423
Mass Torso/Ventral	0 / 0	3 / 50 DAY 563	0 / 0	4 / 50 DAY 535	0 / 0	4 / 50 DAY 479	0 / 0	6 / 50 DAY 451
Nasal/Eye Discharge	0 / 0	0/50	0 / 0	2 / 50 DAY 199	0 / 0	3 / 50 DAY 395	0 / 0	0/50
Ruffled Fur	0 / 0	0/50	0 / 0	1 / 50 DAY 451	0 / 0	0/50	0 / 0	3 / 50 DAY 199
Thin	0 / 0	8 / 50 DAY 339	0 / 0	7 / 50 DAY 283	0 / 0	6 / 50 DAY 647	0 / 0	18 / 50 DAY 171
Tremors	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 311

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 20515 - 03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013

Time Report Requested: 13:44:49

First Dose M/F: 04/14/08 / 04/14/08

Lab: BNW

OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
Ulcer/Abscess Appendage	0 / 0	15 / 50 DAY 367	0 / 0	15 / 50 DAY 367	0 / 0	17 / 50 DAY 367	0 / 0	17 / 50 DAY 367
Ulcer/Abscess Head	0 / 0	1 / 50 DAY 283	0 / 0	1 / 50 DAY 59	0 / 0	0 / 50	0 / 0	1 / 50 DAY 451
Ulcer/Abscess Torso/Dorsal	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	3 / 50 DAY 227	0 / 0	6 / 50 DAY 31
Ulcer/Abscess Torso/Lateral	0 / 0	0 / 50	0 / 0	1 / 50 DAY 619	0 / 0	0 / 50	0 / 0	0 / 50
Ulcer/Abscess Torso/Ventral	0 / 0	1 / 50 DAY 591	0 / 0	1 / 50 DAY 535	0 / 0	2 / 50 DAY 535	0 / 0	0 / 50

END OF MALE DATA

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)
+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
ROW 2 = DAY OF ONSET

Experiment Number: 20515 - 03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013

Time Report Requested: 13:44:49

First Dose M/F: 04/14/08 / 04/14/08

Lab: BNW

SEX: FEMALE		WEEK: 105							
OBSERVATION	Control		10 mg/m3		30 mg/m3		100 mg/m3		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Abnormal Breathing	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 255	0 / 0	0/50	
Eye Abnormality	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 31	0 / 0	1 / 50 DAY 619	
Head Tilt	0 / 0	0/50	0 / 0	1 / 50 DAY 619	0 / 0	1 / 50 DAY 255	0 / 0	0/50	
Impaired Gait	0 / 0	1 / 50 DAY 703	0 / 0	0/50	0 / 0	1 / 50 DAY 451	0 / 0	1 / 50 DAY 703	
Lethargic	0 / 0	1 / 50 DAY 619	0 / 0	1 / 50 DAY 619	0 / 0	1 / 50 DAY 563	0 / 0	2 / 50 DAY 619	
Mass Appendage	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 535	
Mass Head	0 / 0	0/50	0 / 0	1 / 50 DAY 647	0 / 0	0/50	0 / 0	2 / 50 DAY 591	
Mass Torso/Dorsal	0 / 0	0/50	0 / 0	1 / 50 DAY 479	0 / 0	0/50	0 / 0	1 / 50 DAY 423	

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET

Experiment Number: 20515 - 03

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013

Time Report Requested: 13:44:49

First Dose M/F: 04/14/08 / 04/14/08

Lab: BNW

OBSERVATION	WEEK: 105							
	Control		10 mg/m3		30 mg/m3		100 mg/m3	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
Mass Torso/Lateral	0 / 0	4 / 50 DAY 507	0 / 0	4 / 50 DAY 619	0 / 0	5 / 50 DAY 591	0 / 0	6 / 50 DAY 479
Mass Torso/Ventral	0 / 0	9 / 50 DAY 535	0 / 0	8 / 50 DAY 535	0 / 0	13 / 50 DAY 563	0 / 0	8 / 50 DAY 535
Nasal/Eye Discharge	0 / 0	3 / 50 DAY 451	0 / 0	0 / 50	0 / 0	2 / 50 DAY 563	0 / 0	2 / 50 DAY 283
Ruffled Fur	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 423	0 / 0	0 / 50
Thin	0 / 0	14 / 50 DAY 591	0 / 0	13 / 50 DAY 479	0 / 0	11 / 50 DAY 255	0 / 0	18 / 50 DAY 563
Tremors	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 423	0 / 0	0 / 50
Ulcer/Abscess Head	0 / 0	2 / 50 DAY 59	0 / 0	3 / 50 DAY 199	0 / 0	2 / 50 DAY 311	0 / 0	0 / 50
Ulcer/Abscess Torso/Dorsal	0 / 0	0 / 50	0 / 0	3 / 50 DAY 115	0 / 0	3 / 50 DAY 255	0 / 0	2 / 50 DAY 479

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

Experiment Number: 20515 - 03
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/Wistar Han

E05: CLINICAL OBSERVATIONS SUMMARY
 Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 02/19/2013
Time Report Requested: 13:44:49
First Dose M/F: 04/14/08 / 04/14/08
Lab: BNW

SEX: FEMALE		WEEK: 105							
OBSERVATION	Control		10 mg/m3		30 mg/m3		100 mg/m3		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Ulcer/Abscess Torso/Lateral	0 / 0	0/50	0 / 0	3 / 50 DAY 143	0 / 0	2 / 50 DAY 31	0 / 0	0/50	
Ulcer/Abscess Torso/Ventral	0 / 0	0/50	0 / 0	2 / 50 DAY 143	0 / 0	0/50	0 / 0	1 / 50 DAY 591	

END OF REPORT

* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY
 ROW 2 = DAY OF ONSET