Experiment Number: 05049 - 04	P18: INCIDENCE RATES OF NON AVER	VITH Date Report Requested: 04/28/2020	
Test Type: 14-DAY Route: DOSED WATER Species/Strain: MICE/B6C3F1	CA	Ionic liquid Toxicity S Number: IONICLIQUIDS	Time Report Requested: 12:14:12 First Dose M/F: 03/12/09 / 03/13/09 Lab: MBA
NTP Study Number:	C05049		
Lock Date:	12/03/2009		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	ALL		
Removal Date Range:	ALL		
Treatment Groups:	Include 001 Control Male Include 007 30.0 mg/ml Emim Include 019 3.0 mg/ml Emim Include 022 100.0 mg/ml Emim	Include 005 3.0 mg/ml Emim Include 008 100.0 mg/ml Emim Include 020 10.0 mg/ml Emim	Include 006 10.0 mg/ml Emim Include 015 Control Female Include 021 30.0 mg/ml Emim
Study Gender:	Both		
TDMSE Version:	3.0.2.3_002		
PWG Approval Date:	NONE		

Route: DOSED WATER CAS Number: IONICLIQUIDS Firs Species/Strain: MICE/B6C3F1 Control Male 3.0 mg/ml Emim 10.0 mg/ml Emim 30.0 mg/ml Emim 100.0 B6C3F1 MICE MALE Control Male 3.0 mg/ml Emim 10.0 mg/ml Emim 30.0 mg/ml Emim 100.0 Disposition Summary 10 5 5 5 5 Early Deaths Survivors 10 5 5 5 Terminal Sacrifice 10 5 5 5 Animals Examined Microscopically 10 5 5 5		
Species/Strain: MICE/B6C3F1 Lab B6C3F1 MICE MALE Control Male 3.0 mg/ml Emim 10.0 mg/ml Emim 30.0 mg/ml Emim 100.0 Disposition Summary 10 5 5 5 Animals Initially In Study 10 5 5 5 Early Deaths Survivors 10 5 5 5 Terminal Sacrifice 10 5 5 5 Animals Examined Microscopically 10 5 5 5 ALIMENTARY SYSTEM (10) (0) (0) (5)	Time Report Requested: 12:14:12	
B6C3F1 MICE MALE Control Male 3.0 mg/ml Emim 10.0 mg/ml Emim 30.0 mg/ml Emim 100.0 Disposition Summary Animals Initially In Study 10 5 5 5 5 Animals Initially In Study 10 5 5 5 5 5 Survivors 7 10 5 5 5 5 5 Animals Examined Microscopically 10 5 5 5 5 ALIMENTARY SYSTEM (10) (0) (0) (5) 5	t Dose M/F: 03/12/09 / 03/13/09	
Disposition Summary 10 5 5 5 Animals Initially In Study 10 5 5 5 Early Deaths 10 5 5 5 Survivors 7 10 5 5 5 Animals Examined Microscopically 10 5 5 5 ALIMENTARY SYSTEM 10 (10) (0) (0) (5) Intestine Small, Duodenum (10) (0) (0) (5)	: MBA	
Animals Initially In Study Early Deaths Survivors Terminal Sacrifice10555Terminal Sacrifice Animals Examined Microscopically10555Animals Examined Microscopically10555ALIMENTARY SYSTEM10(0)(0)(5)Intestine Small, Duodenum Intestine Small, Ileum(10)(0)(0)(5)) mg/ml Emim	
Early Deaths Survivors Terminal Sacrifice1055Animals Examined Microscopically10555ALIMENTARY SYSTEMIntestine Small, Duodenum(10)(0)(0)(5)Intestine Small, lleum(10)(0)(0)(5)		
Terminal Sacrifice10555Animals Examined Microscopically10555ALIMENTARY SYSTEMIntestine Small, Duodenum(10)(0)(0)(5)Intestine Small, Ileum(10)(0)(0)(5)	5	
Animals Examined Microscopically1055ALIMENTARY SYSTEMIntestine Small, Duodenum Intestine Small, Ileum(10)(0)(0)(5)(10)(0)(0)(5)	5	
Intestine Small, Duodenum (10) (0) (0) (5) Intestine Small, Ileum (10) (0) (0) (5)	5	
Intestine Small, Ileum (10) (0) (5)		
Intestine Small, Ileum (10) (0) (0) (5)	(5)	
Intestine Small, Jejunum (10) (1) (0) (5)	(5)	
	(5)	
Liver (10) (0) (0) (5)	(5)	
Depletion Glycogen	5 [2.0]	
Stomach, Forestomach (10) (0) (5)	(5)	
Stomach, Glandular (10) (0) (0) (5)	(5)	
CARDIOVASCULAR SYSTEM		
Heart (10) (0) (0) (5)	(5)	
ENDOCRINE SYSTEM		
None		
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Testes (10) (5) (0) (5) Degeneration	(5) 5 [2.0]	
a - Number of animals examined microscopically at site and number of animals with lesion	=	
p-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)		

Experiment Number: 05049 - 04	P18: INCIDENCE RAT	Date Report Requested: 04/28/2020			
Test Type: 14-DAY		Time Report Requested: 12:14:12			
Route: DOSED WATER		CAS Number:	IONICLIQUIDS		First Dose M/F: 03/12/09 / 03/13/09
Species/Strain: MICE/B6C3F1					Lab: MBA
B6C3F1 MICE MALE	Control Male	3.0 mg/ml Emim	10.0 mg/ml Emim	30.0 mg/ml Emim	100.0 mg/ml Emim
HEMATOPOIETIC SYSTEM					
Spleen	(10)	(0)	(0)	(5)	(5)
Depletion Cellular Thymus Atrophy	(9)	(0)	(0)	(5)	5 [2.0] (3) 3 [3.3]
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(5)	(5)
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(5)	(5)
SPECIAL SENSES SYSTEM				<u>.</u>	
None					
URINARY SYSTEM					
Kidney	(10)	(0)	(0)	(5)	(5)

Experiment Number: 05049 - 04	P18: INCIDENCE RATI	Date Report Requested: 04/28/2020			
Test Type: 14-DAY Route: DOSED WATER Species/Strain: MICE/B6C3F1		Time Report Requested: 12:14:12 First Dose M/F: 03/12/09 / 03/13/09 Lab: MBA			
B6C3F1 MICE MALE	Control Male	3.0 mg/ml Emim	10.0 mg/ml Emim	30.0 mg/ml Emim	100.0 mg/ml Emim

*** END OF MALE ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

tontrol Female 10 10 10 (10) (10) (10) (10) (10) (10) (10) (10)		id Toxicity IONICLIQUIDS 10.0 mg/ml Emim 5 5 5 5 (0) (0) (0) (0) (0) (0) (0) (0) (0) (0)	30.0 mg/ml Emim 5 5 5 5 (5) (5) (5) (5) (5) (5) (5)	Time Report Requested: 12:14:12 First Dose M/F: 03/12/09 / 03/13/09 Lab: MBA 100.0 mg/ml Emim 5 5 5 (5) (5) (5) (5) (5) (5)
10 10 10 (10) (10) (10) (10) (10)	3.0 mg/ml Emim 5 5 5 5 (0) (0) (0) (0) (0) (0) (0) (0)	10.0 mg/ml Emim 5 5 5 5 (0) (0) (0) (0) (0) (0) (0) (0)	5 5 5 (5) (5) (5) (5) (5)	Lab: MBA 100.0 mg/ml Emim 5 5 5 5 (5) (5) (5) (5) (5) 5 [1.0] (5)
10 10 10 (10) (10) (10) (10) (10)	5 5 5 (0) (0) (0) (0) (0) (0) (0)	5 5 5 5 (0) (0) (0) (0) (0) (0)	5 5 5 (5) (5) (5) (5) (5)	100.0 mg/ml Emim 5 5 5 5 5 (5) (5) (5) (5) (5) (5) 5 [1.0] (5)
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(10) (10) (10) (10)	(0) (0) (0)	(0) (0) (0)	(5) (5) (5)	(5) (5) (5) 5 [1.0] (5)
(10) (10) (10)	(0) (0) (0)	(0) (0) (0)	(5) (5) (5)	(5) (5) 5 [1.0] (5)
(10)	(0) (0)	(0) (0)	(5) (5)	(5) 5 [1.0] (5)
	(0)	(0)	(5)	5 [1.0] (5)
(10)	(0)	(0)		
		(0)	(5)	(5)
				· · · · · · · · · · · · · · · · · · ·
(10)	(0)	(0)	(5)	(5)
(10)	(0)	(0)	(5)	(5)
			(10) (0) (0) te and number of animals with lesion	

Experiment Number: 05049 - 04	P18: INCIDENCE RATI	Date Report Requested: 04/28/2020			
Test Type: 14-DAY Route: DOSED WATER Species/Strain: MICE/B6C3F1		Time Report Requested: 12:14:12 First Dose M/F: 03/12/09 / 03/13/09 Lab: MBA			
B6C3F1 MICE FEMALE	Control Female	3.0 mg/ml Emim	10.0 mg/ml Emim	30.0 mg/ml Emim	100.0 mg/ml Emim
HEMATOPOIETIC SYSTEM					
Spleen	(10)	(0)	(0)	(5)	(5)
Depletion Cellular Thymus Atrophy	(10)	(0)	(0)	(5)	5 [1.0] (5) 5 [2.6]
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					· · · · · · · · · · · · · · · · · · ·
Brain	(10)	(0)	(0)	(5)	(5)
RESPIRATORY SYSTEM					
Lung	(10)	(0)	(0)	(5)	(5)
SPECIAL SENSES SYSTEM					
None					
JRINARY SYSTEM					
Kidney	(10)	(0)	(0)	(5)	(5)

Experiment Number: 05049 - 04	P18: INCIDENCE RATE	Date Report Requested: 04/28/2020			
Test Type: 14-DAY Route: DOSED WATER Species/Strain: MICE/B6C3F1		id Toxicity IONICLIQUIDS		Time Report Requested: 12:14:12 First Dose M/F: 03/12/09 / 03/13/09 Lab: MBA	
B6C3F1 MICE FEMALE	Control Female	3.0 mg/ml Emim	10.0 mg/ml Emim	30.0 mg/ml Emim	100.0 mg/ml Emim
		,			

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)