

Table 1-1 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Clinical signs (Administration period)

Sex	Dose mg/kg	Findings	Day of administration													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Male	0	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	8	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6
30	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
125	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Female	0	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	8	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6
30	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
125	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
	No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	

Table 1-2 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Clinical signs (Administration period)

Sex	Dose mg/kg	Findings	Day of administration																											
			15	16	17	18	19	20	21	22	23	24	25	26	27	28	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Male	0	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	8	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	30	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	125	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Female	0	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	8	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	30	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	125	No. of animals	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		No abnormality	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Table 1-3 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Clinical signs (Recovery period)

Sex	Dose mg/kg	Findings	Day of recovery													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
Male	0	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	125	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Female	0	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	125	No. of animals	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	No abnormality	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

Table 2-1 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 1)

Sex	Male			Female					
	Dose (mg/kg)	8	30	125	0	8	30	125	
Parameter	No. of animals	12	6	6	12	12	6	6	12
Posture	Normal	12	6	6	12	12	6	6	12
Convulsion	None	12	6	6	12	12	6	6	12
Abnormal behavior	None	12	6	6	12	12	6	6	12

No significant difference in any treated groups from control group.

Table 2-2 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 2)

Sex	Male			Female		
	0	8	30	0	8	30
Dose (mg/kg)	0	8	30	125	125	125
No. of animals	12	6	6	12	6	6
Posture	12	6	6	12	6	6
Normal						
Convulsion	12	6	6	12	6	6
None						
Abnormal behavior	12	6	6	12	6	6
None						

No significant difference in any treated groups from control group.

Table 2-3 . A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 3)

Sex	Male			Female						
	Dose (mg/kg)	0	8	30	125	0	8	30	125	
Parameter	No. of animals	12	6	6	12	12	12	6	6	12
Posture	Normal	12	6	6	12	12	12	6	6	12
Convulsion	None	12	6	6	12	12	12	6	6	12
Abnormal behavior	None	12	6	6	12	12	12	6	6	12

No significant difference in any treated groups from control group.

Table 2-4 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 4)

Sex	Male			Female						
	Dose (mg/kg)	0	8	30	125	0	8	30	125	
Parameter	No. of animals	12	6	6	12	12	6	6	6	12
Posture										
Normal		12	6	6	12	12	6	6	6	12
Convulsion										
None		12	6	6	12	12	6	6	6	12
Abnormal behavior										
None		12	6	6	12	12	6	6	6	12

No significant difference in any treated groups from control group.

Table 2-5 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 1 of recovery)

Parameter	Sex		Dose (mg/kg)		No. of animals	
	Male	Female	0	125	0	125
Posture						
Normal	6	6	6	6	6	6
Convulsion						
None	6	6	6	6	6	6
Abnormal behavior						
None	6	6	6	6	6	6

No significant difference between treated group and control group.

Table 2-6 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : home cage observations (Week 2 of recovery)

Parameter	Sex		Dose (mg/kg)	Male		Female	
	No. of animals						
Posture							
Normal	6		0	125	0	125	6
Convulsion							
None	6		6	6	6	6	6
Abnormal behavior							
None	6		6	6	6	6	6

No significant difference between treated group and control group.

Table 2-7 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 1)

Parameter	Sex							
	Male			Female				
	Dose (mg/kg)		No. of animals	Dose (mg/kg)		No. of animals		
	0	8	30	125	0	8	30	125
	12	6	6	12	12	6	6	12
Ease of removal from cage	12	6	6	12	12	6	6	12
Easy								
Fur condition	12	6	6	12	12	6	6	12
Normal								
Skin	12	6	6	12	12	6	6	12
Normal								
Secretions-Eye, Nose	12	6	6	12	12	6	6	12
Absent								
Exophthalmos	12	6	6	12	12	6	6	12
Absent								
Palpebral closure	12	6	6	12	12	6	6	12
Normal								
Mucosal membranes	12	6	6	12	12	6	6	12
Normal								
Lacrimation	12	6	6	12	12	6	6	12
Normal								
Piloerection	12	6	6	12	12	6	6	12
Absent								
Pupil size	12	6	6	12	12	6	6	12
Normal								
Salivation	12	6	6	12	12	6	6	12
None								
Abnormal respiration	12	6	6	12	12	6	6	12
Absent								
Reactivity to handling	12	6	6	12	12	6	6	12
Easy								

No significant difference in any treated groups from control group.

Table 2-8 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 2)

Parameter	Sex		Male						Female							
	Dose (mg/kg)		0		30		125		0		8		30		125	
	No. of animals		12	6	6	6	6	6	12	12	12	6	6	6	6	12
Ease of removal from cage			12	6	6	6	6	12	12	12	6	6	6	6	12	
Fur condition			12	6	6	6	6	12	12	12	6	6	6	6	12	
Skin			12	6	6	6	6	12	12	12	6	6	6	6	12	
Secretions-Eye, Nose			12	6	6	6	6	12	12	12	6	6	6	6	12	
Exophthalmos			12	6	6	6	6	12	12	12	6	6	6	6	12	
Palpebral closure			12	6	6	6	6	12	12	12	6	6	6	6	12	
Mucosal membranes			12	6	6	6	6	12	12	12	6	6	6	6	12	
Lacrimation			12	6	6	6	6	12	12	12	6	6	6	6	12	
Piloerection			12	6	6	6	6	12	12	12	6	6	6	6	12	
Pupil size			12	6	6	6	6	12	12	12	6	6	6	6	12	
Salivation			12	6	6	6	6	12	12	12	6	6	6	6	12	
Abnormal respiration			12	6	6	6	6	12	12	12	6	6	6	6	12	
Reactivity to handling			12	6	6	6	6	12	12	12	6	6	6	6	12	

No significant difference in any treated groups from control group.

Table 2-9 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 3)

Parameter	Sex		Male				Female					
	Dose (mg/kg)	No. of animals	0	8	30	125	0	8	30	125		
			12	6	6	12	12	6	6	6	12	
Ease of removal from cage												
Easy	12	5	6	6	6	12	12	6	6	6	11	
Some resistance/avoidance	0	1	0	0	0	0	0	0	0	0	1	
Fur condition												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Skin												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Secretions-Eye, Nose												
Absent	12	6	6	6	6	12	12	6	6	6	12	
Exophthalmos												
Absent	12	6	6	6	6	12	12	6	6	6	12	
Palpebral closure												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Mucosal membranes												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Lacrimation												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Piloerection												
Absent	12	6	6	6	6	12	12	6	6	6	12	
Pupil size												
Normal	12	6	6	6	6	12	12	6	6	6	12	
Salivation												
None	12	6	6	6	6	12	12	6	6	6	12	
Abnormal respiration												
Absent	12	6	6	6	6	12	12	6	6	6	12	
Reactivity to handling												
Easy	12	5	6	6	6	12	12	5	5	5	10	
Slightly awkward	0	1	0	0	0	0	0	1	1	1	2	

No significant difference in any treated groups from control group.

Table 2-10 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 4)

Parameter	Sex		Male						Female					
	Dose (mg/kg)		0		30		125		0		30		125	
	No. of animals		12	6	8	6	6	6	12	12	6	6	8	6
Ease of removal from cage	11	6	6	6	6	6	12	12	12	6	6	6	6	12
Easy	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Some resistance/avoidance	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Fur condition	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Skin	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Secretions-Eye, Nose	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Absent	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Exophthalmos	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Absent	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Palpebral closure	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Mucosal membranes	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Lacrimation	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Piloerection	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Absent	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Pupil size	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Normal	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Salivation	12	6	6	6	6	6	12	12	12	6	6	6	6	12
None	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Abnormal respiration	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Absent	12	6	6	6	6	6	12	12	12	6	6	6	6	12
Reactivity to handling	11	6	6	6	6	6	12	12	12	6	6	6	6	12
Easy	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Slightly awkward														

No significant difference in any treated groups from control group.

Table 2-11 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 1 of recovery)

Parameter	Sex		Male		Female	
	Dose (mg/kg)	No. of animals	0	125	0	125
Ease of removal from cage			6	5	6	6
Easy			0	1	0	0
Some resistance/avoidance						
Fur condition			6	6	6	6
Normal						
Skin			6	6	6	6
Normal						
Secretions-Eye, Nose			6	6	6	6
Absent						
Exophthalmos			6	6	6	6
Absent						
Palpebral closure			6	6	6	6
Normal						
Mucosal membranes			6	6	6	6
Normal						
Lacrimation			6	6	6	6
Normal						
Piloerection			6	6	6	6
Absent						
Pupil size			6	6	6	6
Normal						
Salivation			6	6	6	6
None						
Abnormal respiration			6	6	6	6
Absent						
Reactivity to handling			6	5	6	6
Easy			0	1	0	0
Slightly awkward						

No significant difference between treated group and control group.

Table 2-12 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : in-the-hand observations (Week 2 of recovery)

Parameter	Sex		Dose (mg/kg)		Male		Female	
	No. of animals	6	0	125	6	6	0	125
Ease of removal from cage	6	6	6	6	6	6	6	6
Fur condition	6	6	6	6	6	6	6	6
Skin	6	6	6	6	6	6	6	6
Secretions-Eye, Nose	6	6	6	6	6	6	6	6
Exophthalmos	6	6	6	6	6	6	6	6
Palpebral closure	6	6	6	6	6	6	6	6
Mucosal membranes	6	6	6	6	6	6	6	6
Lacrimation	6	6	6	6	6	6	6	6
Piloerection	6	6	6	6	6	6	6	6
Pupil size	6	6	6	6	6	6	6	6
Salivation	6	6	6	6	6	6	6	6
Abnormal respiration	6	6	6	6	6	6	6	6
Reactivity to handling	6	6	6	6	6	6	6	6

No significant difference between treated group and control group.

Table 2-13 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 1)

Parameter	Sex							
	Male			Female				
Dose (mg/kg)	0	8	80	125	0	8	30	125
No. of animals	12	6	6	12	12	6	6	12
Arousal Normal	12	6	6	12	12	6	6	12
Convulsion None	12	6	6	12	12	6	6	12
Abnormal behavior None	12	6	6	12	12	6	6	12
Stereotypy None	12	6	6	12	12	6	6	12
Gait Normal	12	6	6	12	12	6	6	12
Posture Normal	12	6	6	12	12	6	6	12
Grooming None	12	6	6	12	12	6	6	12
Rearing count (Mean±S.D.)	2±2	3±2	5±3	3±2	6±3	6±1	5±4	7±2
Defecation count (Mean±S.D.)	0±0	0±1	0±0	0±0	0±0	0±0	0±0	0±0
Urination None	10	4	6	10	12	6	5	12
Small amount	2	2	0	2	0	0	1	0

No significant difference in any treated groups from control group.

Table 2-14 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 2)

Parameter	Sex														
	Male						Female								
	0		8		30		125		0		8		30		125
No. of animals	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
Arousal	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
Normal															
Convulsion	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
None															
Abnormal behavior	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
None															
Stereotypy	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
None															
Gait	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0
No/minimal location	10	5	6	6	6	10	12	12	12	12	6	6	6	6	12
Normal															
Posture	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
Normal															
Grooming	12	6	6	6	6	12	12	12	12	12	6	6	6	6	12
None															
Rearing count (Mean±S.D.)	2±2	4±4	2±2	2±2	2±2	3±2	7±3	7±3	7±3	7±2	7±4	7±4	8±2	8±2	8±2
Defecation count (Mean±S.D.)	0±1	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±1	0±1
Urination	9	5	6	6	6	8	12	12	12	6	6	6	6	6	12
None	3	1	0	0	0	3	0	0	0	0	0	0	0	0	0
Small amount	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Moderate amount															

No significant difference in any treated groups from control group.

Table 2-15 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 3)

Parameter	Sex								
	Male			Female					
	Dose (mg/kg)	0	8	30	125	0	8	30	125
No. of animals	12	6	6	6	12	12	6	6	12
Arousal	12	6	6	6	12	12	6	6	12
Normal									
Convulsion	12	6	6	6	12	12	6	6	12
None									
Abnormal behavior	12	6	6	6	12	12	6	6	12
None									
Stereotypy	12	6	6	6	12	12	6	6	12
None									
Gait	1	1	0	0	0	0	0	0	0
No/minimal location	11	5	6	6	12	12	6	6	12
Normal									
Posture	12	6	6	6	12	12	6	6	12
Normal									
Grooming	12	6	6	6	12	12	6	6	12
None									
Rearing count (Mean±S.D.)	3±3	4±3	4±2	3±3	10±3	11±2	8±3	11±4	
Defecation count (Mean±S.D.)	1±1	1±1	0±0	1±1	0±0	0±0	0±0	0±0	
Urination	9	5	6	9	12	6	5	12	
None	2	1	0	2	0	0	1	0	
Small amount	1	0	0	0	0	0	0	0	
Moderate amount	0	0	0	1	0	0	0	0	
Large/excessive amount									

No significant difference in any treated groups from control group.

Table 2-16 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 4)

Parameter	Sex						
	Male			Female			
	Dose (mg/kg)	0	8	30	125	30	125
No. of animals	12	6	6	6	12	6	12
Arousal	12	6	6	6	12	6	12
Normal							
Convulsion	12	6	6	6	12	6	12
None							
Abnormal behavior	12	6	6	6	12	6	12
None	0	0	0	0	0	0	0
Minor							
Stereotypy	12	6	6	6	12	6	12
None							
Gait	1	1	2	2	2	0	0
No/minimal location	11	5	4	10	12	6	12
Normal							
Posture	12	6	6	6	12	6	12
Normal							
Grooming	12	6	6	6	12	6	12
None							
Rearing count (Mean±S.D.)	4±3	4±3	4±4	4±3	10±3	12±3	11±3
Defecation count (Mean±S.D.)	0±0	1±1	1±1	1±1	0±0	0±0	0±0
Urination	6	5	6	11	12	6	12
None	6	1	0	1	0	0	0
Small amount							

a): Jumping
No significant difference in any treated groups from control group.

Table 2-17 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 1 of recovery)

Parameter	Sex		Dose (mg/kg)		Male		Female	
	No. of animals		0	125	6	6	0	125
Arousal	6	6	6	6	6	6	6	6
Normal								
Convulsion	6	6	6	6	6	6	6	6
None								
Abnormal behavior	6	6	6	6	6	6	6	6
None								
Stereotypy	6	6	6	6	6	6	6	6
None								
Gait	1	5	1	5	5	5	0	0
No/minimal location								
Normal								
Posture	6	6	6	6	6	6	6	6
Normal								
Grooming	6	6	6	6	6	6	6	6
None								
Rearing count (Mean±S.D.)	4±3	0±0	5±3	0±0	10±1	10±3	0±0	0±0
Defecation count (Mean±S.D.)	0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0
Urination	6	6	5	5	6	6	6	6
None								
Small amount	0	0	1	1	0	0	0	0

No significant difference between treated group and control group.

Table 2-18 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Detailed clinical signs : open field observation (Week 2 of recovery)

Parameter	Sex		Male		Female	
	Dose (mg/kg)	No. of animals	0	125	0	125
Arousal Normal		6	6	6	6	6
Convulsion None		6	6	6	6	6
Abnormal behavior None		6	6	6	6	6
Stereotypy None		6	6	6	6	6
Gait Normal		6	6	6	6	6
Posture Normal		6	6	6	6	6
Grooming None		6	6	6	6	6
Rearing count (Mean±S.D.)		4± 2	6± 3	10± 2	10± 2	10± 2
Defecation count (Mean±S.D.)		0± 0	0± 0	0± 0	0± 0	0± 0
Urination None		3	5	5	5	6
Small amount		1	0	1	1	0
Moderate amount		2	1	0	0	0

No significant difference between treated group and control group.

Table 2-19 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Manipulative test (Week 4)

Sex	Male			Female					
	Dose (mg/kg)	8	30	125	0	8	30	125	
Parameter	No. of animals	12	6	6	12	12	6	6	12
Auditory response		12	6	6	12	12	6	6	12
Normal									
Approach response		12	6	6	12	12	6	6	12
Normal									
Touch response		12	6	6	12	12	6	6	12
Normal									
Tail pinch response		12	6	6	12	12	6	6	12
Normal									
Pupillary reflex		12	6	6	12	12	6	6	12
Pass, both									
Aerial righting reflex		0±0	0±0	0±0	0±0	0±0	0±0	0±0	0±0
(Total score: Mean±S.D.)									
Landing foot splay (mm: Mean±S.D.)		73±20	67±24	68±14	80±14	69±20	66±8	71±9	56±16

No significant difference in any treated groups from control group.

Table 2-20 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Manipulative test (Week 2 of recovery)

Parameter	Sex		Male		Female	
	Dose (mg/kg)	No. of animals	0	125	0	125
Auditory response Normal	6	6	6	6	6	6
Approach response Normal	6	6	6	6	6	6
Touch response Normal	6	6	6	6	6	6
Tail pinch response Normal	6	6	6	6	6	6
Pupillary reflex Pass, both	6	6	6	6	6	6
Aerial righting reflex (Total score: Mean±S.D.)	0±0	0±0	0±0	0±0	0±0	0±0
Landing foot splay (mm: Mean±S.D.)	84±29	84±17	84±15	57±16		

No significant difference between treated group and control group.

Table 2-21 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Grip strength (Week 4)

Sex	Dose mg/kg		Fore limb g	Hind limb g
Male	0	No.	12	12
		Mean	806	483
	S.D.	110	125	
	8	No.	6	6
Mean		822	482	
S.D.	238	143		
30	No.	6	6	
	Mean	909	584	
S.D.	145	35		
125	No.	12	12	
	Mean	902	442	
S.D.	120	120		
Female	0	No.	12	12
		Mean	796	571
	S.D.	134	138	
	8	No.	6	6
Mean		758	536	
S.D.	29	185		
30	No.	6	6	
	Mean	702	578	
S.D.	158	152		
125	No.	12	12	
	Mean	715	522	
S.D.	115	139		

No significant difference in any treated groups from control group.

Table 2-22 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Grip strength (Week 2 of recovery)

Sex	Dose mg/kg	No.	Mean	S.D.	Fore limb g	Hind limb g
Male	0	6	1232	691	6	6
		6	103	80	6	6
	125	6	1177	640	6	6
		6	234	120	6	6
Female	0	6	932	570	6	6
		6	97	117	6	6
	125	6	1043	646	6	6
		6	98	98	6	6

No significant difference between treated group and control group.

Table 2-23 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Motor activity (Week 4)

Sex	Dose mg/kg		Interval (minutes)								Total(0-60)
			0-10	10-20	20-30	30-40	40-50	50-60			
Male	0	No.	12	12	12	12	12	12	12	12	12
		Mean	393	309	271	190	151	158	1472	1472	589
	S.D.	66	93	141	137	140	141				
	8	No.	6	6	6	6	6	6	6	6	6
Mean		368	322	183	140	138	74	1224	1224	474	
30	S.D.	65	54	86	157	151	87				
	No.	6	6	6	6	6	6	6	6	6	
125	Mean	429	370	324	291	169	68	1650	1650	193	
	S.D.	49	57	57	53	106	85				
Female	0	No.	12	12	12	12	12	12	12	12	12
		Mean	396	357	310	253	236	213	1765	1765	426
	S.D.	52	45	81	116	122	133				
	8	No.	6	6	6	6	6	6	6	6	6
Mean		420	297	211	228	165	174	1495	1495	547	
30	S.D.	54	104	149	143	93	112				
	No.	6	6	6	6	6	6	6	6	6	
125	Mean	398	347	294	249	219	173	1679	1679	319	
	S.D.	47	75	48	123	129	91				
125	No.	12	12	12	12	12	12	12	12	12	
	Mean	428	339	303	248	199	191*	1707	1707	363	
125	S.D.	46	55	80	78	116	116	112D	112D	363	

* : p<0.05 (Significant difference from control group)
D : Dunnett's test

Table 2-24 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Motor activity (Week 2 of recovery)

Sex	Dose mg/kg	No.	Interval (minutes)								Total(0-60)
			0-10	10-20	20-30	30-40	40-50	50-60			
Male	0	No.	6	6	6	6	6	6	6	6	6
		Mean	391	319	268	214	239	164	1595		
	125	S.D.	20	44	85	57	70	145	254		
		No.	6	6	6	6	6	6	6		
Female	0	No.	6	6	6	6	6	6	6	6	
		Mean	370	306	264	248	180	94	1461		
	125	S.D.	58	47	50	101	69	63	250		
		No.	6	6	6	6	6	6	6		
		Mean	360	335	294	244	212	210*	1654		
		S.D.	21	40	70	101	110	88T	341		

* : p<0.05 (Significant difference from control group)
T : Student's t-test

Table 3-1 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Body weight (Administration period)

Sex	Dose mg/kg	Day of administration														Gain 1-28
		1	4	7	10	14	17	21	24	28						
0	No.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	206	232	259	280	311	329	355	367	390	390	390	390	390	390	390
	S.D.	7	10	14	18	24	29	32	34	36	36	36	36	36	36	36
Male	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	206	228	251	270	295	307	329	337	351	351	351	351	351	351	145*
	S.D.	7	9	13	18	27	31	36	39	42	42	42	42	42	42	37D
30	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	206	234	260	284	318	340	367	380	398	398	398	398	398	398	192
	S.D.	7	8	11	11	14	16	18	21	25	25	25	25	25	25	20
125	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	205	229	254	274	304	321	345	355	372	372	372	372	372	372	167
	S.D.	7	8	11	14	19	22	25	28	31	31	31	31	31	31	26
0	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	165	174	186	196	212	215	228	237	246	246	246	246	246	246	81
	S.D.	8	8	8	10	12	16	18	17	18	18	18	18	18	18	13
Female	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	165	171	184	193	206	213	224	231	238	238	238	238	238	238	74
	S.D.	8	13	16	16	17	18	23	24	24	24	24	24	24	24	16
30	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	162	172	183	193	208	208	222	237	243	243	243	243	243	243	81
	S.D.	9	11	14	13	12	8	9	14	15	15	15	15	15	15	12
125	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	163	171	186	196	211	215	228	235	240	240	240	240	240	240	77
	S.D.	6	7	10	11	14	14	17	17	18	18	18	18	18	18	14

Unit : g

* : p<0.05 (Significant difference from control group)

D : Dunnett's test

Table 3-2 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Body weight (Recovery period)

Sex	Dose mg/kg	No.	Day of recovery						Gain 1-14
			1	3	7	10	14		
Male	0	No.	6	6	6	6	6	6	6
		Mean	396	403	423	437	449	449	53
	125	S.D.	45	45	49	49	53	53	9
		No.	6	6	6	6	6	6	6
Female	0	No.	6	6	6	6	6	6	6
		Mean	238	248	253	260	264	264	26
	125	S.D.	16	17	18	20	22	22	7
		No.	6	6	6	6	6	6	6
		No.	6	6	6	6	6	6	6
		Mean	387	395	412	426	441	441	54
		S.D.	35	36	37	38	38	38	6
		No.	6	6	6	6	6	6	6
		No.	6	6	6	6	6	6	6
		Mean	238	248	253	260	264	264	26
		S.D.	16	17	18	20	22	22	7
		No.	6	6	6	6	6	6	6
		No.	6	6	6	6	6	6	6
		Mean	252	259	266	272	279	279	28
		S.D.	18	19	21	24	25	25	9
		No.	6	6	6	6	6	6	6

Unit : g
No significant difference between treated group and control group.

Table 4-1 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Food consumption (Administration period)

Sex	Dose mg/kg	Day of administration																
		1	4	7	10	14	17	21	24	28	1	4	7	10	14	17	21	24
0	No.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	24	23	24	25	24	23	24	21	22	23	24	21	22	23	24	21	23
	S.D.	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2
Male	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	23	22	23	22*	22	21	22	21	22	21	22	19	22	20	19	20	20
	S.D.	2	2	2	2D	3	3	3	3	3	3	3	3	3	3	3	3	3
30	No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	23	23	23	24	25	24	24	24	24	24	24	22	24	24	22	24	24
	S.D.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
125	No.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	24	23	24	23	24	23	24	23	24	23	24	21	24	22	21	21	22
	S.D.	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
0	No.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	18	16	17	17	17	16	17	16	16	16	17	17	18	17	17	17	17
	S.D.	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Female	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	19	16	17	16	16	16	16	16	16	16	17	17	17	17	17	18	18
	S.D.	2	3	2	2	2	2	2	2	2	2	3	3	3	3	3	4	4
30	No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	Mean	18	17	17	17	18	17	16	16	16	16	18	19	18	17	19	17	17
	S.D.	2	2	2	2	1	2	2	2	1	1	2	2	2	2	2	1	1
125	No.	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	Mean	18	16	17	17	17	17	17	17	17	17	18	18	18	17	18	17	17
	S.D.	3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Unit : g/rat/day
* : p<0.05 (Significant difference from control group)
D : Dunnett's test

Table 4-2 A 28-day oral toxicity study of 2-Ethylhexyl vinyl ether in rats with a recovery period of 2 weeks
Food consumption (Recovery period)

Sex	Dose mg/kg	Day of recovery						
		3	7	10	14			
Male	0	No.	6	6	6	6	6	6
		Mean	27	28	28	27	27	27
	125	S.D.	4	4	3	3	3	3
		No.	6	6	6	6	6	6
Female	0	Mean	27	28	28	28	28	28
		S.D.	2	3	3	3	3	3
	125	No.	6	6	6	6	6	6
		Mean	21	20	20	19	19	19
125	S.D.	2	1	1	1	1	1	
	No.	6	6	6	6	6	6	
125	Mean	23	22	21	21*	21*	21*	
	S.D.	3	2	3	3	3	3	

Unit : g/rat/day

* : p<0.05 (Significant difference from control group)

T : Student's t-test