

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
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 1-3                      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
	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
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
	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

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)

Parameter	Sex	Male				Female			
		Dose (mg/kg)	0	8	30	125	0	8	30
	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)

Parameter	Sex	Male				Female			
	Dose (mg/kg)	0	8	30	125	0	8	30	125
	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 2-3 . 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	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 2-4 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)

Parameter	Sex	Male				Female			
	Dose (mg/kg)	0	8	30	125	0	8	30	125
	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 2-5

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

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

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

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	Male		Female	
	Dose (mg/kg)	0	125	0	125
	No. of animals	6	6	6	6
Ease of removal from cage					
Easy		6	6	6	6
Fur condition					
Normal		6	6	6	6
Skin					
Normal		6	6	6	6
Secretions-Eye, Nose					
Absent		6	6	6	6
Exophthalmos					
Absent		6	6	6	6
Palpebral closure					
Normal		6	6	6	6
Mucosal membranes					
Normal		6	6	6	6
Lacrimation					
Normal		6	6	6	6
Piloerection					
Absent		6	6	6	6
Pupil size					
Normal		6	6	6	6
Salivation					
None		6	6	6	6
Abnormal respiration					
Absent		6	6	6	6
Reactivity to handling					
Easy		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	30	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 <sub>±</sub> 2	3 <sub>±</sub> 2	5 <sub>±</sub> 3	3 <sub>±</sub> 2	6 <sub>±</sub> 3	6 <sub>±</sub> 1	5 <sub>±</sub> 4	7 <sub>±</sub> 2
Defecation count (Mean+S.D.)		0 <sub>±</sub> 0	0 <sub>±</sub> 1	0 <sub>±</sub> 0	0 <sub>±</sub> 0	0 <sub>±</sub> 0	0 <sub>±</sub> 0	0 <sub>±</sub> 0	0 <sub>±</sub> 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			
	Dose (mg/kg)	0	8	30	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									
No/minimal location		2	1	0	2	0	0	0	0
Normal		10	5	6	10	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	4± 4	2± 2	3± 2	7± 3	7± 2	7± 4	8± 2
Defecation count (Mean±S.D.)		0± 1	0± 0	0± 0	0± 0	0± 0	0± 0	0± 0	0± 1
Urination									
None		9	5	6	8	12	6	6	12
Small amount		3	1	0	3	0	0	0	0
Moderate amount		0	0	0	1	0	0	0	0

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	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									
No/minimal location		1	1	0	0	0	0	0	0
Normal		11	5	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.)		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									
None		9	5	6	9	12	6	5	12
Small amount		2	1	0	2	0	0	1	0
Moderate amount		1	0	0	0	0	0	0	0
Large/excessive amount		0	0	0	1	0	0	0	0

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	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								a)	
None		12	6	6	12	12	6	5	12
Minor		0	0	0	0	0	0	1	0
Stereotypy									
None		12	6	6	12	12	6	6	12
Gait									
No/minimal location		1	1	2	2	0	0	0	0
Normal		11	5	4	10	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.)		4± 3	4± 3	4± 4	4± 3	10± 3	12± 3	10± 4	11± 3
Defecation count (Mean±S.D.)		0± 0	1± 1	1± 1	1± 1	0± 0	0± 0	0± 0	0± 0
Urination									
None		6	5	6	11	12	6	6	12
Small amount		6	1	0	1	0	0	0	0

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

Parameter	Sex	Male				Female			
	Dose (mg/kg)	0	8	30	125	0	8	30	125
	No. of animals	12	6	6	12	12	6	6	12
Auditory response									
Normal		12	6	6	12	12	6	6	12
Approach response									
Normal		12	6	6	12	12	6	6	12
Touch response									
Normal		12	6	6	12	12	6	6	12
Tail pinch response									
Normal		12	6	6	12	12	6	6	12
Pupillary reflex									
Pass, both		12	6	6	12	12	6	6	12
Aerial righting reflex									
(Total score: Mean±S.D.)		0± 0	0± 0	0± 0	0± 0	0± 0	0± 0	0± 0	0± 0
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)	0	125	0	125
	No. of animals	6	6	6	6
Auditory response Normal		6	6	6	6
Approach response Normal		6	6	6	6
Touch response Normal		6	6	6	6
Tail pinch response Normal		6	6	6	6
Pupillary reflex Pass, both		6	6	6	6
Aerial righting reflex (Total score: Mean±S.D.)		0± 0	0± 0	0± 0	0± 0
Landing foot splay (mm: Mean±S.D.)		84±29	84±17	64±15	57±16

No significant difference between treated group and control group.