

This study is classified as Acceptable (870.1300) and satisfies the guideline requirement for an acute inhalation study in the rat.

COMPLIANCE: Signed and dated GLP, Quality Assurance and Data Confidentiality statements were provided.

RESULTS:

Exposure Concentration mg/L (Gravimetrically Determined)	Number of Deaths/Number Tested		
	Males	Females	Combined
0.74	0/5	1/5	1/10

Chamber Atmosphere		
Gravimetric conc. mg/L	MMAD μm	GSD
0.74	3.28 ^a	1.58

^a 91.3% of the particles were < 6 μm

Chamber Environment	
Chamber Volume	42 L
Airflow	30 LPM
Temperature	20-22°C
Relative Humidity	72-79%

OBSERVATIONS: One female was found dead during the exposure. Its head was tucked between the forelimbs in the restraint tube. The other nine animals survived the exposure and the two-week observation period. Clinical signs noted were soiling of the haircoat during the exposure. Following the exposure, clinical signs included periocular, perineal and general body soiling. The animals appeared normal by day 3. All animals lost weight during the first few days of the study but all animals exceeded initial body weights by the end of the study.

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GROSS NECROPSY: At necropsy on day 15, there were no visible lesions attributable to exposure noted in any of the surviving animals. In the animal that died, necropsy observations showed "no significant internal or external findings that would indicate cause of death. The absence of findings is consistent with suffocation as a cause of death."