AR 201-12549 b10

ROBUST SUMMARY
ALKYL SULFIDE CATETGORY
CAS # 68511-50-2
HEALTH ELEMENTS: ACUTE TOXICITY

Test Substance	
CAS #	68511-50-2
Chemical Name	1-propene, 2-methyl-, sulfurized
Remarks	This substance is also referred to as methyl propene derivative in HERTG's Test Plan for Alkyl Sulfide Category. For more information on the chemical, see Section 2.0 "Chemical Description of Alkyl Sulfide Category" in HERTG's Test Plan for Alkyl Sulfide Category.
Method	
Method/Guideline followed	Experimental
Test Type	Acute oral toxicity (LD50)
GLP (Y/N)	N
Year (Study Performed)	1970
Species/Strain	Rat; Sherman/Wistar
Sex	Male, young adult
No. of animals/sex/dose	5
Vehicle	None; administered undiluted
Route of administration	Oral gavage
Remarks field for test conditions	Rats fasted 24 hours prior to dosing; Test material administered by gavage in a single oral dose at concentrations of 2.0, 4.0, 8.0, 16.0 or 32.0 ml/kg. Animals observed for 14 days postdosing for signs of toxicity or mortality . Body weights were not taken; gross necropsies and histopathology were not performed
Results	5.7 ml/kg; 19/20 confidence limits 4-8 ml/kg
Remarks	No deaths were observed at 2.0 or 4.0 ml/kg; at 8 ml/kg 4/5 dead at day 1 post dosing , 1/5 dead at day 2; 5/5 rats dead at day 1 in groups given 16.0 or 32.0 ml/kg. No data presented on parameters other than mortality.
Conclusions	LD50 = 5.7 ml/kg (male rats)
Data Quality	Reliable with restrictions State of the art LD50 oral toxicity study for 1970, multi-dose, calculated LD50 with confidence limits. Non-GLP, details of study design and observations during study not presented
References	This robust summary was prepared from an unpublished study by an individual member company of the HERTG (the underlying study contains confidential business information).
Other	Updated: 12-29-99

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