

US EPA ARCHIVE DOCUMENT

SUBMISSION REVIEW RECORD				1. REGISTRATION NUMBER			CYCLE	2. DATE RECEIVED		
3. 3CID PUBLICATION NECESSARY <input type="checkbox"/> YES <input type="checkbox"/> NO				4. PETITION NO.			5. RECEIVED PM TEAM			
							MO	DAY	YR	
6. METHOD OF SUPPORT <input type="checkbox"/> 2A <input type="checkbox"/> 2B <input type="checkbox"/> 2C				7. PRODUCT MANAGER			NO.	8. PROJECTED RETURN		
9. DATE PULLED 12/5/88							10. DATE PUBLISHED			MO
11. ACTION TYPE <i>Reg. Chloromeron ethyl</i> <i>Leif</i>				CODE			12. OUTGOING DATE			
13. REVIEW TYPE				REVIEWER CODE (Initials)		SIGNATURE OF REVIEWER		DATE REVIEW COMPLETED		
REV. SEQ.	REVIEW TYPE CODE							MO	DAY	YR
	A	REVIEWABILITY TEAM								
	B	PRODUCT MANAGER TEAM EFFICACY REVIEW								
	C	PRODUCT MANAGER TEAM HUMAN SAFETY REVIEW								
	D	PRODUCT MANAGER TEAM ENVIRONMENTAL SAFETY REVIEW								
	E	PRODUCT MANAGER TEAM RESUBMISSION REVIEW								
	F	PRODUCT MANAGER				<i>JKW</i>	<i>NAC</i>	<i>1</i>	<i>20</i>	<i>6</i>
	G	INTERAGENCY REFERRAL								
	H	COST-BENEFIT REVIEW								
	I	PUBLIC COMMENTS REVIEW								
	J	EEE BRANCH INSECTICIDE EFFICACY								
	K	EEE BRANCH HERBICIDE EFFICACY								
	L	EEE BRANCH FUNGICIDE EFFICACY								
	M	EEE BRANCH RODENTICIDE EFFICACY								
	N	EEE BRANCH DISINFECTANT EFFICACY								
	O	CHEMISTRY BRANCH RESIDUE CHEMISTRY								
	P	EEE BRANCH ENVIRONMENTAL CHEMISTRY								
	Q	TOXICOLOGY BRANCH HUMAN SAFETY								
	R	EEE BRANCH ENVIRONMENTAL SAFETY								
	S									
	T									
PRODUCT MANAGER SIGNATURE						TYPE OF RESPONSE				CODE

Technical Chlorimuron Ethyl

EPA File Symbol 352-LEI (528)

Product Chemistry

Date referenced and received as acceptable under PPNs 2 362959 & SF3186.

Acute Toxicology

1. Acute Oral (Median Lethal Dose (LD₅₀) with Rats (MRID 40843201)

10 males per group fed dosages of 4000, 4200, 4500, and 5000 mg/kg

10 females per group fed dosages of 3800, 4000, 4300, and 4500 mg/kg.

2/10 females dead at 3800 mg/kg

6/10 males and 5/10 females dead at 4,000 mg/kg

4/10 females dead at 4300 mg/kg

10/10 males and 7/10 females dead at 4500 mg/kg

9/10 males dead at 5000 mg/kg

The LD₅₀ for male rats is 4102 mg/kg

The LD₅₀ for female rats is 4236 mg/kg

Toxicity Category III - Caution

2. Acute Skin Absorption (LD₅₀) Test on Rabbits (MRID 408432002)

5 males and 5 females were treated with one dose of 2000 mg/kg of body weight.

No deaths occurred

acute dermal LD₅₀ > 2000 mg/kg

Toxicity Category III - Caution

3. Acute Inhalation (LC₅₀) in Rats (MRID 40843203)

3 males and 3 female rats were exposed to 5.6 mg/L for 4 hours

no deaths occurred within the 14 days

Acute Inhalation LC₅₀ > 5.0 mg/L

Toxicity Category IV - Caution

4. Eye Irritation Test in Rabbits (MRFD 40843204)

10 mg test material per animal (2 males). Wash one treated eye.
No corneal, conjunctival or irritic effects when tested in rabbits eyes.
Toxicity Category IV - Caution.

5. Primary Skin Irritation and Sensitization Test on Guinea Pigs (MRFD 40843205)

Primary Dermal 10 guinea pigs exposed to 0.05 ml of a 60% and a 6% suspension of test material in dimethyl phthalate.

Two weeks after dermal application, induction phase consisted of 4 ~~sub~~ sacral intradermal injections of 0.1 ml of 1.0% solution in dimethyl phthalate, 1 each week; was conducted.

2 weeks after last induction phase challenged by use of 0.05 ml of 60% and 6% at same time. 10 unexposed animals received identical topical applications of 0.05 ml of 60% and 6% suspension.

No sensitization observed at challenge however mild irritation at concentration 260%. 2 control + 2 test showed response at challenge (48 hours).

Toxicity Category III for primary dermal and not a sensitizer

Summary.

Acute Oral III

Acute Dermal III

Acute Inhalation IV

Primary Eye IV

Primary Dermal III

Not a sensitizer