SUBMISSION REVIEW RECORD G

1. REGISTRATION NUMBER	CYCLE	2. DATE RECEIVED
352 - 52 EI		MO 10 DAY 05 YR 88

3. 3CID PUBLICATION NECESSARY	4. PETITION NO.	5. RECEIVED PM TEAM
☐ YES ☐ NO		MO DAY YR

6. METHOD OF SUPPORT	7. PRODUCT MANAGER	NO.	8. PROJECTED RETURN
☐ 2A ☐ 2B ☐ 2C			MO DAY YR

9. DATE PULLED	10. DATE PUBLISHED	11. ACTION TYPE	CODE	12. OUTGOING DATE
12/5/88		Register Chloromuron ethyl		MO DAY YR

REV SEQ.	REVIEW TYPE CODE	REVIEW TYPE	REVIEWER CODE (Initials)	SIGNATURE OF REVIEWER	COMMENT CODE	DATE REVIEW COMPLETED 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		JKW	NAC	12	06	88
	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 ENVIRON - MENTAL CHEMISTRY						
	Q	TOXICOLOGY BRANCH HUMAN SAFETY						
	R	EEE BRANCH ENVIRON- MENTAL SAFETY						
	S							
	T							

PRODUCT MANAGER SIGNATURE	TYPE OF RESPONSE	CODE

EPA Form 8570-13 (3-75)

Technical Chlorimuron Ethyl
EPA File Symbol 352-LEI (528)

Product Chemistry

Data referenced and received as acceptable under PPNs 362959 & 5F3186.

Acute Toxicology

1. Acute Oral (Median Lethal Dose (LD_{50}) 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 LD_{50} for male rats is 4102 mg/kg
The LD_{50} for female rats is 4236 mg/kg

Toxicity Category III - Caution

2. Acute Skin Absorption (LD_{50}) Test on Rabbits (MRID 40843202)

5 males and 5 females were treated with one dose of 2000 mg/kg of body weight.
No deaths occurred
Acute Dermal $LD_{50} > 2000$ mg/kg
Toxicity Category III - Caution

3. Acute Inhalation (LC_{50}) 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 $LC_{50} > 5.0$ mg/L

Toxicity Category IV = Caution

4. Eye Irritation Test in Rabbits (MRID 40843204)

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

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

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

Two weeks after dermal application, induction phase consisted of 4 ~~xx~~ 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 ≥ 60%. 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