

09830/

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ECOTOXIC EFFECTS BRP

REVIEW SUMMARY

(2)

Chemical name ~~Temik~~ 15

Common Aldicarb

Chemical 2-methyl-2-(methylthio) propionaldehyde

O-(methylcarbamoyl) oxime

Company Union Carbide

Submission TEMP PERMIT

PETITION

REGISTRATION 1016-T1

Date submitted

Date received

8-7-74

Type of chemical insecticide (granular)

Use cotton, peanuts, potatoes, sugar beets, sugar cane, sweet potatoes

Data submitted for reviewEnvironmental safety:Mammal LD50 ☒mammal chronic ☐Fish ☐Bird ☐Shrimp, crab, oyster ☐Other ☐Environmental chemistry (70-15)Fish residue ☐Other ☐

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Chemical Temik 15%

Conclusions:

1. increased ~~ai~~ from 10% to 15% and reduced applied rates accordingly (10% ~~is~~ is registered)

Recommendations

RL - need W-11 and 99 in wildlife caution paragraph  
8-7-74 JFE

Citation

Union Carbide

Ref. No. 1016-T1

Exp permit no.

Petition no.

Accession NO

Submission date 8-7-79

| ORGANISM | TEST    | LD <sub>50</sub> | LC <sub>50</sub> | LC <sub>50</sub> Aquatic |       |       | TEST MATERIAL              |
|----------|---------|------------------|------------------|--------------------------|-------|-------|----------------------------|
|          |         |                  | Dietary          | 24 hr.                   | 48 hr | 96 hr |                            |
| Rat ♂    | dermal  | 4.58g/kg         |                  |                          |       |       | 10%                        |
| Rat ♂    | dermal  | 6.32g/kg         |                  |                          |       |       | 15%                        |
| Rabbit   | dietary | 1.78mg/kg        |                  |                          |       |       | <del>ai</del> ai           |
| Rabbit   | dermal  | 1.59mg/kg        |                  |                          |       |       | ai                         |
| rabbit ♂ | dermal  | 4.80g/kg         |                  |                          |       |       | moistened w/<br>15% saline |
| rat ♂    | dermal  | 2.1g/kg          |                  |                          |       |       | 10%                        |
| rat ♂    | dermal  | 3.15g/kg         |                  |                          |       |       | 15%                        |
| rat ♀    | dermal  | 3.97g/kg         |                  |                          |       |       | 10% and<br>15%             |
| rat ♂    | dermal  | .566g/kg         |                  |                          |       |       | 10% and<br>15%             |
| rat ♀    | dermal  | .673g/kg         |                  |                          |       |       | 10%                        |
| rat ♀    | dermal  | 1.01g/kg         |                  |                          |       |       | 15%                        |
|          |         |                  |                  |                          |       |       |                            |
|          |         |                  |                  |                          |       |       |                            |