US EPA ARCHIVE DOCUMENT

6-18-76

Pesticide Human Safety Review  TM Taylor  TOX Reviewer C. Frick

| EPA# | Date | Product Name | Use Classification | Toxici Catego |
|---|---|---|---|---|
| 38329 | 6/18/76 | Sporon Technical 3-(3,4-dichlorophenyl)-1,1-dimethylurea | Herbicide | III |

RECOMMENDATION: [ ] register [ ] other (explain)

NAC

001473

| | | TECH | FORMULATION | USE DILUTION | DATA ACCEP ABL |
|---|---|---|---|---|---|
| Acute Oral (Rat) | LD50 | 3400 mg/Kg | | | ✓ |

Toxic signs: Enlarged, dar colored spleens with numerous foci of Blood formation

Comments: ✓

* Note: This compound is structurally similar to Monuron which is currantely being viewed in regards to oncology.

| | | | | | |
|---|---|---|---|---|---|
| Acute Dermal (Rabbit) | LD50 | >10,000 mg/Kg | | | ✓ |

Toxic signs: None

Comments:

| | | | | | |
|---|---|---|---|---|---|
| Acute Inhalation ( ) | $LC_{50}$ | | | | |

Toxic signs:

Comments:

| | | | | |
|---|---|---|---|---|
| Primary Eye Irritation (Rabbit) Draize score: | | | ////////// | |

Comments: 10 mg of dry Technical Material ✓ $\frac{8}{110}$ in 1 hour = No Corneal opacity

$\frac{0}{110}$ in 24 hours

| | | | | |
|---|---|---|---|---|
| Primary Skin Irritation (Rabbit) Draize score: | | | ////////// | |

Comments: 0.5 gm in propylene Glycol

slight irritation in one of six Rabbits

Other Studies:

#410

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-Over-

183

| EPA # | Date | Product Name | Use Classification | Toxicity Category |
|---|---|---|---|---|
| 4715-GLG | 7/12/76 | Best 4 Lewis Brand Technical Diuron | 410 | |

RECOMMENDATION: JB objects to the registration. Further data required are:

1) acute oral - technical
2) eye irritation - technical
3) teratology - technical

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note: the confidential statement of formula is blank

| | | TECH | TECH | FORMULATION | USE DILUTION | DATA ACCEPTABLE |
|---|---|---|---|---|---|---|
| Acute Oral (Rat) | LD50 | * | | | | |

Toxic signs:

Comments: * non summary data is required!
LD 50's protein deficient diet 437 ± 157 mg/kg
normal diet 2370 ± 1440 mg/kg
lab chow diet 1017 ± 222 mg/kg

| | | | | | | |
|---|---|---|---|---|---|---|
| Acute Dermal (Rabbit) | LD50 | > 10 g/kg | | | | |

Toxic signs:

Comments:

| | | | | | | |
|---|---|---|---|---|---|---|
| Acute Inhalation ( ) | $LC_{50}$ | | | | | |

Toxic signs:

Comments:

| | | | | | | |
|---|---|---|---|---|---|---|
| Primary Eye Irritation (Rabbit) | | ** | | | | |

Comments: ** test is inadequate - 100 mg of the test material must be placed in the eye, not 10 mg.

| | | | | | | |
|---|---|---|---|---|---|---|
| Primary Skin Irritation (Rabbit) | | 13/8.0 | | | | |

Comments:

Other Studies:

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| EPA # | Date | | | Date |
|---|---|---|---|---|
| 39445-R | 1/14/77 | Diuron Tech | 410 | III |

RECOMMENDATION: For formulating use only

NAC

001473

| | | TECH | TECH | FORMULATION | USE DILUTION | DA ACC A |
|---|---|---|---|---|---|---|
| Acute Oral (Rat) | LD50 | 3.75 mg/kg | | | | ✓ |

Toxic signs: CNS depression

Comments: 3750 mg/kg

[illegible] 2/26/82

| | | | | | | |
|---|---|---|---|---|---|---|
| Acute Dermal (Rabbit) | LD50 | 7 2.5 gm/kg | | | | ✓ |

Toxic signs: Slight erythema

Comments: No toxic signs noted ✓

| | | | | | | |
|---|---|---|---|---|---|---|
| Acute Inhalation (Rat) | LC50 | ~~[illegible]~~ <200 mg/l | | | | ✓ |

Toxic signs: No signs of toxicity

Comments:

| | | | | | |
|---|---|---|---|---|---|
| Primary Eye Irritation (Rabbit) | 0 | | | | |

Comments: at 72 hours, unwashed

| | | | | | |
|---|---|---|---|---|---|
| Primary Skin Irritation (Rabbit) | 0 | | | | ✓ |

Comments: No irritation observed

Other Studies:

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