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*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : UX9275000
 CHEMICAL NAME : Pyrrole
 CAS REGISTRY NUMBER : 109-97-7
 LAST UPDATED : 199710
 DATA ITEMS CITED : 9
 MOLECULAR FORMULA : C4-H5-N
 MOLECULAR WEIGHT : 67.10
 WISWESSER LINE NOTATION : T5MJ
 COMPOUND DESCRIPTOR : Agricultural Chemical
 Mutagen

SYNONYMS/TRADE NAMES :

- * 1-Aza-2,4-cyclopentadiene
- * Azole
- * Divinylenimine
- * Imidole
- * Monopyrrole
- * Pyrrol
- * 1H-Pyrrole

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
 ROUTE OF EXPOSURE : Intraperitoneal
 SPECIES OBSERVED : Rodent - mouse
 DOSE/DURATION : 98 mg/kg

TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

PBPHAW Progress in Biochemical Pharmacology. (S. Karger AG, Postfach
 CH-4009 Basel, Switzerland) V.1- 1965- Volume(issue)/page/year:
 1,542,1965

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
 ROUTE OF EXPOSURE : Subcutaneous
 SPECIES OBSERVED : Rodent - mouse
 DOSE/DURATION : 61 mg/kg

TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

28ZEAL "Pesticide Index," Frear, E.H., ed., State College, PA, College
 Science Pub., 1969 Volume(issue)/page/year: 4,335,1969

TYPE OF TEST : LDLo - Lowest published lethal dose
 ROUTE OF EXPOSURE : Oral
 SPECIES OBSERVED : Rodent - rabbit
 DOSE/DURATION : 147 mg/kg

TOXIC EFFECTS :

Behavioral - somnolence (general depressed activity)
 Behavioral - convulsions or effect on seizure threshold
 Behavioral - muscle contraction or spasticity

REFERENCE :

AIPTAK Archives Internationales de Pharmacodynamie et de Therapie. (Heymans
 Institute of Pharmacology, De Pintelaan 185, B-9000 Ghent, Belgium) V.4-
 1898- Volume(issue)/page/year: 36,387,1930

TYPE OF TEST : LDLo - Lowest published lethal dose

ROUTE OF EXPOSURE : Intraperitoneal
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 150 mg/kg
TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

AIPTAK Archives Internationales de Pharmacodynamie et de Therapie. (Heymans Institute of Pharmacology, De Pintelaan 185, B-9000 Ghent, Belgium) V.4-1898- Volume(issue)/page/year: 36,387,1930

TYPE OF TEST : LDLo - Lowest published lethal dose
ROUTE OF EXPOSURE : Subcutaneous
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 250 mg/kg
TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

AIPTAK Archives Internationales de Pharmacodynamie et de Therapie. (Heymans Institute of Pharmacology, De Pintelaan 185, B-9000 Ghent, Belgium) V.4-1898- Volume(issue)/page/year: 36,387,1930

** MUTATION DATA **

TYPE OF TEST : DNA repair
TEST SYSTEM : Bacteria - Bacillus subtilis
DOSE/DURATION : 20100 ug/disk
REFERENCE :

JFAKAU Journal of the Faculty of Agriculture, Kyushu University. (Kyushu Univ., Faculty of Agriculture, 6-10-1 Hakozaki, Higashi-ku, Fukuoka, 812, Japan) V.9- 1948- Volume(issue)/page/year: 31,279,1987

*** STATUS IN U.S. ***

EPA TSCA Section 8(b) CHEMICAL INVENTORY

EPA TSCA Section 8(d) unpublished health/safety studies

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JUNE 1998

*** END OF RECORD ***

