10H-Phenothiazine, 2-chloro-10-[3-(4-methyl-1-piperazinyl)propyl]- (cas 58-38-8)

MSDS

**CHEMICAL IDENTIFICATION**

RTECS NUMBER : SO2700000
CHEMICAL NAME : Phenothiazine,
2-chloro-10-(3-(4-methyl-1-piperazinyl)propyl)-
CAS REGISTRY NUMBER : 58-38-8
LAST UPDATED : 199712
DATA ITEMS CITED : 22
MOLECULAR FORMULA : C20-H24-C1-N3-S
Molecular Weight: 373.98
Wisessler Line Notation: T C666 BN ISJ EG B3- AT6N DNTJ D1
Compound Descriptor: Drug
Reproductive Effector
Human

Synonyms/Trade Names:
* Bayer A 173
* Capazine
* Chloro-3 (N-methylpiperazinyl-3 propyl)-10 phenothiazine
* 2-Chloro-10-(3-(4-methyl-1-piperazinyl)propyl)phenothiazine
* 3-Chloro-10-(3-(1-methyl-4-piperazinyl)propyl)phenothiazine
* Chlorperazine
* Emelent
* Kronocin
* Meterazine
* N-(gamma-(4'-Methylpiperazinyl-1')propyl)-3-chlorophenothiazine
* Nipodal
* Prochlorperazine
* Prochlorpromazine
* 10H-Phenothiazine, 2-chloro-10-(3-(4-methyl-1-piperazinyl)propyl)-
* 6140 RP
* Stemetil
* SKF 4657
* Tementil
* Temetid

*** Health Hazard Data ***

** Acute Toxicity Data **

Type of Test: TDLo - Lowest published toxic dose
Route of Exposure: Oral
Species Observed: Human - child
Dose/Duration: 2 mg/kg/24H-I
Toxic Effects:
Peripheral Nerve and Sensation - flaccid paralysis without anesthesia
(usually neuromuscular blockage)

Reference:
Volume(issue)/page/year: 30,234,1997
SPECIES OBSERVED : Human
DOSE/DURATION : 560 ug/kg/10H-I

TOXIC EFFECTS :
  Behavioral - headache
  Vascular - BP elevation not characterized in autonomic section

REFERENCE :

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Human - woman
DOSE/DURATION : 4500 ug/kg/3D-I

TOXIC EFFECTS :
  Behavioral - convulsions or effect on seizure threshold
  Behavioral - ataxia

REFERENCE :
BJCPAT British Journal of Clinical Practice. (Medical News Group, 1 Bedford St., London WC2E 9HD, UK) V.10(10)- 1956- Volume(issue)/page/year: 28,201,1974

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 1800 mg/kg

TOXIC EFFECTS :
  Details of toxic effects not reported other than lethal dose value

REFERENCE :

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intraperitoneal

SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 400 mg/kg

TOXIC EFFECTS :
  Details of toxic effects not reported other than lethal dose value

REFERENCE :
FATOAO Farmakologiya i Toksikologiya (Moscow). For English translation, see PHTXAS and RPTOAN. (V/O Mezhdunarodnaya Kniga, 113095 Moscow, USSR) V.2- 1939- Volume(issue)/page/year: 24,136,1961
TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : >20 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: 120,450,1959

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 400 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value
REFERENCE :
NIIRDN Drugs in Japan (Ethical Drugs). (Yakugyo Jiho Co., Ltd., Tokyo, Japan) Volume(issue)/page/year: 6,722,1982

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intraperitoneal
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 120 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value
REFERENCE :
CRSBAW Comptes Rendus des Seances de la Societe de Biologie et de Ses Filiales. (SPPIF, B.P.22, F-41353 Vineuil, France) V.1-1849 Volume(issue)/page/year: 152,1371,1958

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Subcutaneous
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 350 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value
REFERENCE :
PSYPAG Psychopharmacologia (Berlin). (Berlin, Ger.) V.1-46, 1959-76. For publisher information, see PSCHDL Volume(issue)/page/year: 2,209,1961

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 85 mg/kg

TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
Ceskoslovenska Farmacie. (PNS-Ustredni Expedice a Dovoz Tisku, Kafkova 19, 160 00 Prague 6, Czechoslovakia) V.1- 1952-
Volume(issue)/page/year: 16,255,1967

TYPE OF TEST : LDLo - Lowest published lethal dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Mammal - dog
DOSE/DURATION : 102 mg/kg

TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
Volume(issue)/page/year: -,213,1973

TYPE OF TEST : LDLo - Lowest published lethal dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Mammal - dog
DOSE/DURATION : 100 mg/kg

TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
Volume(issue)/page/year: -,213,1973

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : >5 mg/kg

TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

REFERENCE :
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: 120,450,1959
** REPRODUCTIVE DATA **

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<td>ROUTE OF EXPOSURE</td>
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<tr>
<td>SPECIES OBSERVED</td>
<td>Rodent - rat</td>
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<tr>
<td>DOSE</td>
<td>20400 ug/kg</td>
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<td>SEX/DURATION</td>
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<td>Reproductive - Effects on Newborn - behavioral</td>
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<td>REFERENCE</td>
<td>PSYPAG Psychopharmacologia (Berlin). (Berlin, Ger.) V.1-46, 1959-76. For publisher information, see PSCHDL. Volume(issue)/page/year: 16,5,1969</td>
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<td>SPECIES OBSERVED</td>
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<td>DOSE</td>
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<td>TOXIC EFFECTS</td>
<td>Reproductive - Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea)</td>
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<th>TYPE OF TEST</th>
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<td>TOXIC EFFECTS</td>
<td>Reproductive - Effects on Embryo or Fetus - fetal death</td>
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<td>DOSE</td>
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<td>TOXIC EFFECTS</td>
<td>Reproductive - Fertility - other measures of fertility</td>
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</table>
REFERENCE:


*** REVIEWS ***

TOXICOLOGY REVIEW


TOXICOLOGY REVIEW


TOXICOLOGY REVIEW

ADVPA3 Advances in Pharmacology. (New York, NY) V.1-6, 1962-68. For publisher information, see AVPCAO. Volume(issue)/page/year: 4,263,1966

*** NIOSH STANDARDS DEVELOPMENT AND SURVEILLANCE DATA ***

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA:


NOHS Hazard Code - M1048

No. of Facilities: 58 (estimated)
No. of Industries: 1
No. of Occupations: 2
No. of Employees: 230 (estimated)


NOES Hazard Code - M1048

No. of Facilities: 134 (estimated)
No. of Industries: 1
No. of Occupations: 4
No. of Employees: 7332 (estimated)
No. of Female Employees: 6544 (estimated)

*** END OF RECORD ***