Methanone, 4-morpholinyl(3,4,5-trimethoxyphenyl)- (cas 635-41-6) MSDS

MSDS : Morpholine, 4-(3,4,5-trimethoxybenzoyl)-
CAS : 635-41-6
SYNONYMS : * LG 50043
             * PS 2383
             * Abbott-22370
             * Triksazin
             * Trimethoxazine
             * N-(3,4,5-Trimethoxybenzoyl)morpholine
             * 4-(3,4,5-Trimethoxybenzoyl)morpholine
             * 3,4,5-Trimethoxybenzoyl-N-tetrahydroxazine
             * 3,4,5-Trimethoxy-N-benzoyltetrahydroxazine
             * N-(3,4,5-Trimethoxybenzoyl)tetrahydro-1,4-oxazine
             * Trimetogine
             * Trimetozin
             * Trimetozin
             * Triketazine
             * Trioxazine
             * V 7
             * NSC-62939

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : QF1050000
CHEMICAL NAME : Morpholine, 4-(3,4,5-trimethoxybenzoyl)-
CAS REGISTRY NUMBER : 635-41-6
BEILSTEIN REFERENCE NO. : 1085184
LAST UPDATED : 199703
DATA ITEMS CITED : 16
MOLECULAR FORMULA : C₁₄H₁₉N-O₅
MOLECULAR WEIGHT : 281.34
WISWESSER LINE NOTATION : T6N DOTJ AVR CO1 DO1 EO1
COMPOUND DESCRIPTOR : Drug
SYNONYMS/TRADE NAMES :
* LG 50043
* PS 2383
* Abbott-22370
* Triksazin
* Trimethoxazine
* N-(3,4,5-Trimethoxybenzoyl)morpholine
* 4-(3,4,5-Trimethoxybenzoyl)morpholine
* 3,4,5-Trimethoxybenzoyl-N-tetrahydroxazine
* 3,4,5-Trimethoxy-N-benzoyltetrahydroxazine
* N-(3,4,5-Trimethoxybenzoyl)tetrahydro-1,4-oxazine
* Trimetogine
* Trimetozin
* Trimetozin
* Triketazine
* Trioxazine
* V 7
* NSC-62939

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 1800 mg/kg
TOXIC EFFECTS :
  Behavioral - altered sleep time (including change in righting reflex)
  Behavioral - convulsions or effect on seizure threshold
  Lungs, Thorax, or Respiration - respiratory depression
REFERENCE :
  ARZNEIARZNEIMITTEL-FORSCHUNG. Drug Research. (Editio Cantor Verlag,
TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - rat
DOSE/DURATION: 1080 mg/kg
TOXIC EFFECTS:
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Subcutaneous
SPECIES OBSERVED: Rodent - rat
DOSE/DURATION: 1400 mg/kg
TOXIC EFFECTS:
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Oral
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 2400 mg/kg
TOXIC EFFECTS:
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 1150 mg/kg
TOXIC EFFECTS:
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Parenteral
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 1550 mg/kg
TOXIC EFFECTS:
- Behavioral - convulsions or effect on seizure threshold
- Behavioral - ataxia
- Lungs, Thorax, or Respiration - respiratory stimulation

REFERENCE:

** OTHER MULTIPLE DOSE TOXICITY DATA **
TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Intravenous
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 900 mg/kg/24W-I
TOXIC EFFECTS :
Blood - changes in erythrocyte (RBC) count
Blood - changes in leukocyte (WBC) count
Related to Chronic Data - changes in testicular weight
REFERENCE : PATAFF Fundamental and Applied Toxicology. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1-  1981- Volume(issue)/page/year: 19,6,1992

** REPRODUCTIVE DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE : 4200 mg/kg
SEX/DURATION : female 9-15 day(s) after conception
TOXIC EFFECTS :
Reproductive - Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants)
Reproductive - Fertility - litter size (e.g. # fetuses per litter; measured before birth)

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE : 2100 mg/kg
SEX/DURATION : female 9-15 day(s) after conception
TOXIC EFFECTS :
Reproductive - Specific Developmental Abnormalities - musculoskeletal system
Reproductive - Effects on Newborn - weaning or lactation index (e.g., # alive at weaning per # alive at day 4)

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE : 700 mg/kg
SEX/DURATION : female 9-15 day(s) after conception
TOXIC EFFECTS :
Reproductive - Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea)
Reproductive - Fertility - litter size (e.g. # fetuses per litter; measured before birth)

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE : 3500 mg/kg
SEX/DURATION : female 7-13 day(s) after conception
TOXIC EFFECTS :
Reproductive - Specific Developmental Abnormalities - musculoskeletal system
TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE : 37500 mg/kg
SEX/DURATION : female 15-18 day(s) after conception
                  lactating female 21 day(s) post-birth
TOXIC EFFECTS :
  Reproductive - Maternal Effects - other effects
  Reproductive - Effects on Newborn - growth statistics (e.g. %, reduced weight gain)
REFERENCE :
  YACHDS Yakuri to Chiryo. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1- 1972-
  Volume(issue)/page/year: 4,2598,1976

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TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE : 7 gm/kg
SEX/DURATION : female 7-13 day(s) after conception
TOXIC EFFECTS :
  Reproductive - Effects on Newborn - growth statistics (e.g. %, reduced weight gain)
REFERENCE :
  YACHDS Yakuri to Chiryo. Pharmacology and Therapeutics. (Raifu Saiensu Shuppan K.K., 2-5-13, Yaesu, Chuo-ku, Tokyo 104, Japan) V.1- 1972-
  Volume(issue)/page/year: 4,2526,1976

*** END OF RECORD ***