Cyclopenta[cd]pyrene (cas 27208-37-3) MSDS

MSDS
CAS : 27208-37-3
SYNONYMS : * Acepyrene
             * Acepyrylene
             * Cyclopenteno(c,d)pyrene

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[ Cyclopenta(cd)pyrene 27208-37-3 ]

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : GYS500000
CHEMICAL NAME : Cyclopenta(cd)pyrene
CAS REGISTRY NUMBER : 27208-37-3
BEILSTEIN REFERENCE NO. : 20470004
LAST UPDATED : 199710
DATA ITEMS CITED : 21
MOLECULAR FORMULA : C18-H10
MOLECULAR WEIGHT : 226.28
WISWESSER LINE NOTATION : L C5666 B6 3ABC RJ
COMPOUND DESCRIPTOR : Tumorigen
                      Mutagen
SYNONYMS/TRADE NAMES :
             * Acepyrene
             * Acepyrylene
             * Cyclopenteno(c,d)pyrene

*** HEALTH HAZARD DATA ***

** TUMORIGENIC DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Administration onto the skin
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 9051 ug/kg
TOXIC EFFECTS :
Tumorigenic - neoplastic by RTECS criteria

Skin and Appendages - tumors

REFERENCE:


TYPE OF TEST: TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 50 mg/kg

TOXIC EFFECTS:

Tumorigenic - neoplastic by RTECS criteria
Lungs, Thorax, or Respiration - tumors

REFERENCE:

CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980-
Volume(issue)/page/year: 15,601,1994

TYPE OF TEST: TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE: Subcutaneous
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: 260 mg/kg

TOXIC EFFECTS:

Tumorigenic - equivocal tumorigenic agent by RTECS criteria
Tumorigenic - tumors at site of application

REFERENCE:

HLSCAE Health Laboratory Science. (Hartford, CN) V.1-15, 1964-78.
Discontinued. Volume(issue)/page/year: 9,32,1972

** MUTATION DATA **

TYPE OF TEST: Mutation in microorganisms
TEST SYSTEM: Bacteria - Salmonella typhimurium
DOSE/DURATION: 1 ug/plate

REFERENCE:

Volume(issue)/page/year: 75,1667,1978

TYPE OF TEST: Mutation in microorganisms
TEST SYSTEM: Human Lymphocyte
DOSE/DURATION : 4 mg/L

REFERENCE:


TYPE OF TEST : Mutation in mammalian somatic cells
TEST SYSTEM : Human Lymphocyte

DOSE/DURATION : 50 nmol/L

REFERENCE:

MUREAV Mutation Research. (Elsevier Science B.V., POB 211, 1000 AE Amsterdam, Netherlands) V.1- 1964- Volume(issue)/page/year: 128,221,1984

TYPE OF TEST : DNA adduct
ROUTE OF EXPOSURE : Intraperitoneal
TEST SYSTEM : Rodent - rat

DOSE/DURATION : 50 mg/kg

REFERENCE:

CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980- Volume(issue)/page/year: 15,1065,1994

TYPE OF TEST : Mutation in microorganisms
TEST SYSTEM : Rodent - mouse Lymphocyte

DOSE/DURATION : 1600 ug/L

REFERENCE:


TYPE OF TEST : Morphological transformation
TEST SYSTEM : Rodent - mouse Fibroblast

DOSE/DURATION : 300 ug/L

REFERENCE:


TYPE OF TEST : Morphological transformation
TEST SYSTEM : Rodent - mouse Embryo

DOSE/DURATION : 300 ug/L

REFERENCE:

TYPE OF TEST : DNA adduct
ROUTE OF EXPOSURE : Intraperitoneal
TEST SYSTEM : Rodent - mouse
DOSE/DURATION : 100 mg/kg

REFERENCE :
CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980-
Volume(issue)/page/year: 15,601,1994

TYPE OF TEST : Sister chromatid exchange
TEST SYSTEM : Rodent - mouse Embryo
DOSE/DURATION : 5 umol/L

REFERENCE :
CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980-
Volume(issue)/page/year: 7,1647,1986

TYPE OF TEST : Mutation in microorganisms
TEST SYSTEM : Rodent - hamster Lymphocyte
DOSE/DURATION : 1300 ug/L

REFERENCE :

TYPE OF TEST : Mutation in mammalian somatic cells
TEST SYSTEM : Rodent - hamster Lung
DOSE/DURATION : 300 ug/L

REFERENCE :
CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980-
Volume(issue)/page/year: 3,763,1982

TYPE OF TEST : DNA adduct
TEST SYSTEM : Mammal - species unspecified Lymphocyte
DOSE/DURATION : 100 umol/L

REFERENCE :
CRNGDP Carcinogenesis (London). (Oxford Univ. Press, Pinkhill House, Southfield Road, Eynsham, Oxford OX8 1JJ, UK) V.1- 1980-
Volume(issue)/page/year: 15,1065,1994

*** REVIEWS ***
IARC Cancer Review: Animal Limited Evidence
IMEMDT IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man. (WHO Publications Centre USA, 49 Sheridan Ave., Albany, NY 12210)
V.1- 1972- Volume(issue)/page/year: 32,269,1983

IARC Cancer Review: Human No Adequate Data
IMEMDT IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man. (WHO Publications Centre USA, 49 Sheridan Ave., Albany, NY 12210)
V.1- 1972- Volume(issue)/page/year: 32,269,1983

IARC Cancer Review: Group 3

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

EPA GENETOX PROGRAM 1988, Positive: Histidine reversion-Ames test

EPA GENETOX PROGRAM 1988, Positive/limited: Carcinogenicity-mouse/rat

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

*** END OF RECORD ***