Procaine penicillin G (cas 54-35-3) MSDS

Click http://www.guidechem.com/cas-54/54-35-3.html for suppliers of this product

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : XH9437000
CHEMICAL NAME : 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid,
                 3,3-dimethyl-7-oxo-6-(2-phenylacetamido)-, compd.
                 with 2-(diethylamino)ethyl p-aminobenzoate (1:1)
CAS REGISTRY NUMBER : 54-35-3
LAST UPDATED : 199707
DATA ITEMS CITED : 12
MOLECULAR FORMULA : C16-H18-N2-O4-S.C13-H20-N2-O2
MOLECULAR WEIGHT : 570.77

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers

[ 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid,3,3-dimethyl-7-oxo-6-(2-phenylacetamido)-, compd.with 2-(diethylamino)ethyl p-aminobenzoate (1:1) 54-35-3 ]
SYNONYMS/TRADE NAMES:

- Benzylpenicillin novocaine salt
- Benzylpenicillin procaine
- Depocillin
- Duphapan
- Hostacillin
- Hydracillin
- Jenacillin O
- Micro-Pen
- Nopcaine
- Penicillin G procaine
- Penzial N 300
- Procaine penicillin G
- Procaine benzylpenicillinate
- Retardillin
- Vetspen
- Vitablend

*** 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 : >2 gm/kg

TOXIC EFFECTS:
- Behavioral - somnolence (general depressed activity)
- Behavioral - convulsions or effect on seizure threshold
- Lungs, Thorax, or Respiration - other changes

REFERENCE:

ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACQ. Volume(issue)/page/year: 3,534,1955/1956

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

ROUTE OF EXPOSURE : Intraperitoneal

SPECIES OBSERVED : Rodent - rat

DOSE/DURATION : 420 mg/kg

TOXIC EFFECTS:
- Behavioral - somnolence (general depressed activity)
- Behavioral - convulsions or effect on seizure threshold
- Lungs, Thorax, or Respiration - other changes

REFERENCE:

ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher
**TYPE OF TEST** : LD50 - Lethal dose, 50 percent kill  
**ROUTE OF EXPOSURE** : Intramuscular  
**SPECIES OBSERVED** : Rodent - rat  
**DOSE/DURATION** : >2 gm/kg  
**TOXIC EFFECTS** :  
- Behavioral - somnolence (general depressed activity)  
- Behavioral - convulsions or effect on seizure threshold  
- Lungs, Thorax, or Respiration - other changes  
**REFERENCE** :  
ABANAЕ Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

**TYPE OF TEST** : LD50 - Lethal dose, 50 percent kill  
**ROUTE OF EXPOSURE** : Oral  
**SPECIES OBSERVED** : Rodent - mouse  
**DOSE/DURATION** : >2 gm/kg  
**TOXIC EFFECTS** :  
- Behavioral - somnolence (general depressed activity)  
- Behavioral - convulsions or effect on seizure threshold  
- Lungs, Thorax, or Respiration - other changes  
**REFERENCE** :  
ABANAЕ Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

**TYPE OF TEST** : LD50 - Lethal dose, 50 percent kill  
**ROUTE OF EXPOSURE** : Intraperitoneal  
**SPECIES OBSERVED** : Rodent - mouse  
**DOSE/DURATION** : 371 mg/kg  
**TOXIC EFFECTS** :  
- Behavioral - somnolence (general depressed activity)  
- Behavioral - convulsions or effect on seizure threshold  
- Lungs, Thorax, or Respiration - other changes  
**REFERENCE** :  
ABANAЕ Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCQ. Volume(issue)/page/year: 3,534,1955/1956

**TYPE OF TEST** : LDLo - Lowest published lethal dose  
**ROUTE OF EXPOSURE** : Subcutaneous  
**SPECIES OBSERVED** : Rodent - mouse  
**DOSE/DURATION** : 4 gm/kg  
**TOXIC EFFECTS** :
Behavioral - altered sleep time (including change in righting reflex)
Behavioral - tremor
Behavioral - ataxia

REFERENCE:

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intramuscular
SPECIES OBSERVED: Rodent - mouse
DOSE/DURATION: >2 gm/kg
TOXIC EFFECTS:
Behavioral - somnolence (general depressed activity)
Behavioral - convulsions or effect on seizure threshold
Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCO. Volume(issue)/page/year: 3,534,1955/1956

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intraperitoneal
SPECIES OBSERVED: Rodent - guinea pig
DOSE/DURATION: 518 mg/kg
TOXIC EFFECTS:
Behavioral - somnolence (general depressed activity)
Behavioral - convulsions or effect on seizure threshold
Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCO. Volume(issue)/page/year: 3,534,1955/1956

TYPE OF TEST: LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE: Intramuscular
SPECIES OBSERVED: Rodent - guinea pig
DOSE/DURATION: 1194 mg/kg
TOXIC EFFECTS:
Behavioral - somnolence (general depressed activity)
Behavioral - convulsions or effect on seizure threshold
Lungs, Thorax, or Respiration - other changes

REFERENCE:
ABANAE Antibiotics Annual. (New York, NY) 1953-60. For publisher information, see AMACCO. Volume(issue)/page/year: 3,534,1955/1956
NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA:


NOHS Hazard Code - M2729

No. of Facilities: 71 (estimated)
No. of Industries: 1
No. of Occupations: 1
No. of Employees: 357 (estimated)


NOES Hazard Code - M2729

No. of Facilities: 851 (estimated)
No. of Industries: 2
No. of Occupations: 7
No. of Employees: 7402 (estimated)
No. of Female Employees: 3182 (estimated)

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

EPA TSCA Section 8(b) CHEMICAL INVENTORY

*** END OF RECORD ***