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This free-of-charge search interface provides access to the TOXNET system of databases on toxicology, hazardous chemicals, and related areas.

TOXNET is sponsored by the National Library of Medicine, through the Toxicology and Environmental Health Information Program of its Specialized Information Services Division.

Comments? Questions? Problems? - E-Mail TOXNET User Support.

Toxicology Data Search - Select and search any of the following files containing factual information related to the toxicity and other hazards of chemicals: HSDB (Hazardous Substances Data Bank), CCRIS (Chemical Carcinogenesis Research Information System) from the National Cancer Institute, and GENE-TOX (Genetic Toxicology/Mutagenicity Data Bank) and IRIS (Integrated Risk Information System) both from the Environmental Protection Agency (EPA).

Toxic Releases (TRI) Search - Select and search any of the Environmental Protection Agency's (EPA) TRI series of files (beginning with TRI87) containing data on the estimated quantities of chemicals released to the environment or transferred off-site for waste treatment, as well as information related to source reduction and recycling.

Toxicology Literature Search - Select and search any of the following bibliographic files, consisting of citations to the scientific literature: DART (Developmental and Reproductive Toxicology) and its backfile ETICBACK, and EMIC (Environmental Mutagenesis Information Center) and its backfile EMICBACK.

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Related Information - Provides links to other World Wide Web resources containing information relevant to toxicology and environmental health.

Toxicology and Environmental Health Information Program
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Last Updated: 6 August 1998

Search Results

Redisplay

Results As:

Customized Display

Go!

Your search found 1 record in Database: HSDB
Query: ((NAME) "PYRENE")

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1 - HSDB
NAME OF SUBSTANCE PYRENE
CAS REGISTRY NUMBER 129-00-0
MOLECULAR FORMULA C16-H10 **PEER REVIEWED**
COLOR/FORM MONOCLINIC PRISMATIC TABLETS FROM ALCOHOL OR BY
SUBLIMATION; PURE PYRENE IS COLORLESS [Budavari,
S. (ed.). The Merck Index - An Encyclopedia of
Chemicals, Drugs, and Biologicals. Whitehouse
Station, NJ: Merck and Co., Inc., 1996., p. 1368] **PEER REVIEWED**
COLOR/FORM PALE YELLOW PLATES (WHEN RECRYSTALLIZED FROM
TOLUENE) [Weast, R.C. (ed.) Handbook of Chemistry
and Physics. 67th ed. Boca Raton, FL: CRC Press,
Inc., 1986-87. C-461] **PEER REVIEWED**
COLOR/FORM Colorless solid (tetracene impurities give yellow
color) [Lewis, R.J., Sr (Ed.). Hawley's Condensed
Chemical Dictionary. 12th ed. New York, NY: Van
Nostrand Reinhold Co., 1993, p. 979] **PEER
REVIEWED**
ODOR NO DATA
TASTE NO DATA
BOILING POINT 404 deg C at 760 mm Hg [Lide, D.R. (ed.). CRC
Handbook of Chemistry and Physics. 76th ed. Boca
Raton, FL: CRC Press Inc., 1995-1996. 3-297] **PEER REVIEWED**
MELTING POINT 151.2 deg C [Lide, D.R. (ed.). CRC Handbook of
Chemistry and Physics. 76th ed. Boca Raton, FL:
CRC Press Inc., 1995-1996. 3-297] **PEER
REVIEWED**
MOLECULAR WEIGHT 202.26 [Lide, D.R. (ed.). CRC Handbook of
Chemistry and Physics. 76th ed. Boca Raton, FL:
CRC Press Inc., 1995-1996. 3-297] **PEER
REVIEWED**
CORROSIVITY NO DATA
CRITICAL TEMPERATURE &
PRESSURE NO DATA
DENSITY/SPECIFIC GRAVITY 1.271 AT 23 DEG C [Lide, D.R. (ed.). CRC Handbook

of Chemistry and Physics. 76th ed. Boca Raton, FL: CRC Press Inc., 1995-1996. 3-297] **PEER REVIEWED**
NO DATA

DISSOCIATION CONSTANTS
HEAT OF COMBUSTION 3.98X10+7 J/kg [Gerhartz, W. (exec ed.). Ullmann's Encyclopedia of Industrial Chemistry. 5th ed. Vol A1: Deerfield Beach, FL: VCH Publishers, 1985 to Present. VA13 271] **PEER REVIEWED**

HEAT OF VAPORIZATION 3.21X10+5 J/kg [Gerhartz, W. (exec ed.). Ullmann's Encyclopedia of Industrial Chemistry. 5th ed. Vol A1: Deerfield Beach, FL: VCH Publishers, 1985 to Present. VA13 271] **PEER REVIEWED**

OCTANOL/WATER PARTITION COEFFICIENT Log Kow= 4.88 [Hansch, C., Leo, A., D. Hoekman. Exploring QSAR - Hydrophobic, Electronic, and Steric Constants. Washington, DC: American Chemical Society., 1995., p. 137] **PEER REVIEWED**

PH NO DATA

SOLUBILITIES 0.135 MG/L (+ or - 0.005 MG/L) IN WATER AT 25 DEG C [MACKAY D, SHIU WY; J CHEM ENG DATA 22: 399-402 (1977)] **PEER REVIEWED**

SOLUBILITIES SOL IN CARBON DISULFIDE, & TOLUENE [Weast, R.C. (ed.). Handbook of Chemistry and Physics. 60th ed. Boca Raton, Florida: CRC Press Inc., 1979. C-471] **PEER REVIEWED**

SOLUBILITIES SOL IN ALC, ETHER, BENZENE, & PETROLEUM ETHER [Lide, D.R. (ed.). CRC Handbook of Chemistry and Physics. 76th ed. Boca Raton, FL: CRC Press Inc., 1995-1996. 3-297] **PEER REVIEWED**

SPECTRAL PROPERTIES MAX ABSORPTION (CYCLOHEXANE): 273 NM (LOG E= 4.77), 306 NM (LOG E= 5.07), 320 NM (LOG E= 4.51), 335 (LOG E= 4.78) [Weast, R.C. (ed.). Handbook of Chemistry and Physics. 60th ed. Boca Raton, Florida: CRC Press Inc., 1979. C-471] **PEER REVIEWED**

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