IPCS International Programme on Chemical Safety

INCHEM

Chemical Safety Information from Intergovernmental Organizations

Search options:

Full-text Search

Example: kidney <AND> DDT

Search

Chemical Identity Search

CAS Number

Example: 108-88-3

OR

Chemical Name or Synonym

Example: Toluene

Search

Advanced Search

- About IPCS INCHEM
- Help
- Disclaimer

Rapid access to internationally peer reviewed information on chemicals commonly used throughout the world, which may also occur as contaminants in the environment and food. It consolidates information from a number of intergovernmental organizations whose goal it is to assist in the sound management of chemicals.

Browse content using links below:

- Concise International Chemical Assessment Documents (CICADs)
- Environmental Health Criteria (EHC) Monographs
- Harmonization Project Publications
- Health and Safety Guides (HSGs)
- International Agency for Research on Cancer (IARC) - Summaries and Evaluations
- International Chemical Safety Cards (ICSCs)
- IPCS/CEC Evaluation of Antidotes Series
- Joint Expert Committee on Food Additives (JECFA) - Monographs and Evaluations
- Joint Meeting on Pesticide Residues (JMPR)
- KemI-Riskline
- Pesticide Documents (PDs)
- Poisons Information Monographs (PIMs)
- Screening Information Data Set (SIDS) for High Production Volume Chemicals

The International Programme on Chemical Safety (IPCS) WHO ILO UNEP

in partnership with CCOHS Canadian Centre for Occupational Health and Safety

IOMC

INTER-ORGANIZATION PROGRAMME FOR THE SOUND MANAGEMENT OF CHEMICALS

A cooperative agreement among UNEP, ILO, FAO, WHO, UNIDO, UNITAR and OECD

IPCS INCHEM Home

INDENO(1,2,3-cd)PYRENE ICSC: 0730

Date of Peer Review: March 1999

o-Phenylenepyrene
2,3-Phenylenepyrene

CAS #	193-39-5	$C_{22}H_{12}$
RTECS #	NK9300000	Molecular mass: 276.3
UN #		
EC Index #		

TYPES OF HAZARD / EXPOSURE	ACUTE HAZARDS / SYMPTOMS	PREVENTION	FIRST AID / FIRE FIGHTING
FIRE			In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE		**AVOID ALL CONTACT!**	
Inhalation		Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes		Safety spectacles or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING

Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	**EU Classification** **UN Classification**
EMERGENCY RESPONSE	**STORAGE**
	Provision to contain effluent from fire extinguishing. Well closed.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the Commission of the European Communities © IPCS, CEC 2005

SEE IMPORTANT INFORMATION ON BACK

INDENO(1,2,3-cd)PYRENE	ICSC: 0730

IMPORTANT DATA

PHYSICAL STATE; APPEARANCE:
YELLOW CRYSTALS

CHEMICAL DANGERS:
Upon heating, toxic fumes are formed.

OCCUPATIONAL EXPOSURE LIMITS:
TLV not established.
MAK: Carcinogen category: 2; (DFG 2004).

ROUTES OF EXPOSURE:
The substance can be absorbed into the body by inhalation of its aerosol and through the skin.

INHALATION RISK:
Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:
This substance is possibly carcinogenic to humans.

PHYSICAL PROPERTIES

Boiling point: 536°C
Melting point: 164°C
Solubility in water: none

Octanol/water partition coefficient as log Pow: 6.58

ENVIRONMENTAL DATA

This substance may be hazardous to the environment; special attention should be given to air quality and water quality. Bioaccumulation of this chemical may occur in fish.

NOTES

Indeno(1,2,3-cd)pyrene is present as a component of polycyclic aromatic hydrocarbons (PAH) content in the environment usually resulting from the incomplete combustion or pyrolysis of organic matters, especially fossil fuels and tobacco. ACGIH recommends environment containing Indeno(1,2,3-c,d)pyrene should be evaluated in terms of the TLV-TWA for coal tar pitch volatile, as benzene soluble 0.2 mg/m³. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Card has been partly updated in October 2005. See section Occupational Exposure Limits.

ADDITIONAL INFORMATION

LEGAL NOTICE Neither the CEC nor the IPCS nor any person acting on behalf of the CEC or the IPCS is responsible for the use which might be made of this information

© IPCS, CEC 2005

See Also:
- Toxicological Abbreviations
- Indeno(1,2,3-cd)Pyrene (IARC Summary & Evaluation, Volume 3, 1973)

Home | About | Advanced Search | Help

® Copyright International Programme on Chemical Safety (IPCS)

This website is provided in cooperation with Canadian Centre for Occupational Health and Safety (CCOHS)

Please direct questions or comments about this server to webmaster@ccohs.ca