

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-306/306-91-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
306-91-2

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
PHENANTHRENE, TETRACOSAFLOURATETRADECAHYDRO

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

N/K

**Code:**

M N/P

**ACGIH STEL:**

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**

1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**

AN AIR SUPPLIED RESPIRATOR SHOULD BE WORN.

**Ventilation:**

LOCAL EXHAUST RECOMMENDED FOR TEMPS >/AT BOILING POINT.

**Protective Gloves:**

NONE REQUIRED

**Eye Protection:**

SAFETY GLASSES

**Other Protective Equipment:**

Equipment N/K

**Work Hygienic Practices:**

USE W/GOOD INDUSTRIAL HYGIENE PRACTICES. DON'T SMOKE WHEN USING THIS PRODUCT.

**Supplemental Safety and Health:**

N/K

## Health Hazards Data

**LD50/LC50 Mixture:**

N/P

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

EYES/SKIN: MAY CAUSE IRRITATION. INGESTION: TOXIC.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

IRRITATION.

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

EYES: FLUSH W/PLENTY OF WATER. SKIN: WASH AREA W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**

OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COVER W/INORGANIC ABSORBENT MATERIAL. COLLECT MATERIAL. PLACE IN A CLOSED CONTAINER.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**

AVOID PROLONGED BREATHING OF VAPORS. AVOID EYE CONTACT.

**Other Precautions:**

N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**

SCC

**Flash Point:**

**Flash Point Text:**

NONE 2

**Autoignition Temp:**

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

NOT FLAMMABLE

**Fire Fighting Procedures:**

N/R

**Unusual Fire/Explosion Hazard:**

TOXIC BY PRODUCTS MAY FORM UPON DECOMPOSITION.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P./T.D. Text:**

(SEE SUPP)

**Melt/Freeze Pt:**

**M.P./F.P. Text:**

N/K

**Decomp Temp:**

**Decomp Text:**

N/K

**Vapor Pres:**

0.15

**Vapor Density:**

21.5

**Volatile Org Content %:**

NOT FLAMMABLE

**Spec Gravity:**

2

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**

N/P 3

**Evaporation Rate & Reference:**

(BU O AC = 1):

**Solubility in Water:**

0

**Appearance and Odor:**

CLEAR COLORLESS LIQUID

**Percent Volatiles by Volume:**

100

**Corrosion Rate:**

N/K

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**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

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**Handling And Storage Precautions:**

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**Other Precautions:**

N/K

## Reactivity Data

**Stability Indicator:**

YES

**Materials To Avoid:**

ACTIVE METALS, ALKALI & ALKALINE EARTH METALS.

**Hazardous Decomposition Products:**

MAY PRODUCE TRACE AMOUNTS OF HAFNIA & IN SOME CASES PERFLUOROISOBUTYLENE.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

N/K

## Toxicological Information

**Information:** N/P

## MSDS Transport Information

**Information:** N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

**Other Information:** N/P