

# MATERIAL SAFETY DATA SHEET

## TETRACENE

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name:	Tetracene
CAS Number:	92-24-0
EC Number:	202-138-9

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use:	Laboratory chemicals, Industrial & for professional use only
--------------	--

#### 1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd Miranda House, The Quay Harwich, Essex, CO12 3HH United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	<a href="mailto:info@eastharbourgroup.com">info@eastharbourgroup.com</a>

#### 1.4 Emergency telephone number

Emergency telephone:	+44 (0) 333 242 0100 (U.K office hours only)
----------------------	--

### Section 2: Hazardous identification

#### 2.1 Classification of the substance or mixture

H302	Acute Tox. 4
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H335	STOT SE 3
H351	Carc. 2
H400	Aquatic Acute 1
H410	Aquatic Chronic 1

#### 2.2 Label elements

Pictogram(s)



Signal Word

Warning

### Hazard Statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects

### Precautionary Phrases

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Product Name	Hazards	Concentration
TETRACENE	H302, H315, H319, H335, H351, H400,	<=100%
CAS Number: 92-24-0	H410 Acute Tox. 4, Aquatic Acute 1,	
EC/EINECS: 202-138-9	Aquatic Chronic 1, Carc. 2, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3	

## Section 4: First aid measures

### 4.1 Description of first aid measures

In case of skin contact: Wash off with soap and plenty of water. If skin irritation occurs seek medical advice.  
 In case of eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice/attention.  
 If swallowed: Call a POISON CENTRE or doctor/physician if you feel unwell.  
 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 4.2 Most important symptoms and effects, both acute and delayed

There may be irritation and redness.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## Section 5: Fire-fighting measures

### 5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

Unsuitable extinguishing media: no data available

## **5.2 Special hazards arising from the substance or mixture**

In combustion toxic fumes may form

## **5.3 Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

## **Section 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Evacuate the area immediately.

### **6.2 Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

### **6.3. Methods and material for containment and cleaning up**

Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### **6.4 Preventing the occurrence of secondary hazards**

No special Measures Required

## **Section 7: Handling and storage**

### **7.1 Precautions for safe handling**

Ensure there is sufficient ventilation of the area.

P201: Obtain special instructions before use.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

Protection against Explosions and Fires

P202: Do not handle until all safety precautions have been read and understood.

P362: Take off contaminated clothing and wash before reuse.

### **7.2 Conditions for safe storage, including any incompatibilities**

Managing storage risks

Store in cool, well-ventilated area

Keep Container tightly closed

Storage Controls

No special requirements

Maintaining integrity

P233 Keep container tightly closed

Other Advice

P403 & P233 Store in well-ventilated place. Keep container tightly closed

### **7.3 Specific End Uses**

The end use(s) have not been fully determined. The substance is supplied for Research & Development purposes by professionals only.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Appropriate engineering controls

Engineering measures P271 Use only outdoors or in a well-ventilated area.

### 8.3 Personal protective equipment

Eye/face protection Safety glasses with side-shields

Hand protection Protective gloves

Respiratory protection P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Use breathing protection with high concentrations

Skin protection Handle with gloves

Dispose of contaminated gloves after use in accordance with applicable law and good laboratory practice

Wash and dry hands

Protective clothing

Other personal protection advice No data available

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Solid
Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	357°C
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability (solid, gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies)	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

### 9.2 Other Information

No additional information available

## Section 10: Stability and Reactivity

10.1 Reactivity	No unusual reactivity
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No hazardous reactions known
10.4 Conditions to avoid	No specific conditions to avoid
10.5 Incompatible materials	Oxidising agents
10.6 Hazardous decomposition products	In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide / carbon monoxide

## Section 11: Toxicological Information

### 11.1 Information

Acute Toxicity	no data
Skin corrosion/irritation	irritant for skin and mucous membranes
Serious eye Damage/irritation	irritant effect
Respiratory or skin sensitisation	No sensitizing effect known
Germ Cell mutagenicity	DNS-rat-LVR 500 UMOL/L MMO-sat 25 ug/plate (-S9)
Carcinogenicity	Suspected of causing cancer
Reproductive Toxicity	Not known
STOT Single Exposure	Not known
STOT Repeated Exposure	Not known
Aspiration Hazard	Not known

### 11.2 Additional Information

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

## Section 12: Ecological Information

12.1 Toxicity	Not known
12.2 Persistence and degradability	Not known
12.3 Bio-Accumulative Potential	Not known
12.4 Mobility in soil	Not known
12.5 Results of PBT & vPvB assessment	Not known
12.6 Other adverse effect	Do not allow product to reach ground water, water bodies or sewage system, even in small quantities. Very toxic to aquatic life with long lasting effects.

## Section 13: Disposal considerations

### 13.1 Disposal Methods

#### Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

#### Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## Section 14: Transport Information

### Air (ICAO)

1. UN Number: 3077
2. Shipping Name: Environmentally hazardous substance, solid, n.o.s.
3. Transport hazard class(es): 9
4. Packing group: III
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk:

### Road (ADR)

1. UN Number: 3077
2. Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (TETRACENE).
3. Transport hazard class(es): 9
4. Packing group: III
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk:

### Sea (IMDG)

1. UN Number: 3077
2. Shipping Name: Environmentally hazardous substance, solid, n.o.s.
3. Transport hazard class(es): 9
4. Packing group: III
5. Environmental hazards:
6. Special Precautions for user:
7. Transport in bulk: IBCINS: IBC08 IBCPPROV: B3 TANKPROV: TP33

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

## Section 15: Regulatory Information

### 15.1 Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

### 15.2 Safety Assessment

No Chemical Safety Assessment

## Section 16: Other Information

ADR: European Agreement concerning the International Carriage of Dangerous Goods by road

RID: Regulations concerning the international transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

**Disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.