

# 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

|                      |   |
|----------------------|---|
| <b>Company name:</b> | East Harbour Group Ltd<br>20 Clough Road, Severalls Industrial Park<br>Colchester, Essex, CO4 9QS<br>United Kingdom |
|----------------------|---|

|                   |  |
|-------------------|--|
| <b>Telephone:</b> | +44 (0) 333 242 0100   |
| <b>Email:</b>     | <a href="mailto:info@eastharbourgroup.com">info@eastharbourgroup.com</a> |

### 1.4 Emergency telephone number

|                             |               |
|-----------------------------|---------------|
| <b>Emergency telephone:</b> | 0800 246 1274 |
|-----------------------------|---------------|

## 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



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## 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, H410 Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Carc. 2, Eye Irrit. 2, Skin Irrit. 2, STOT SE 3 | <=100%        |
| CAS Number: 92-24-0  |  |               |
| EC/EINECS: 202-138-9 |  |               |

## 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



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## 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<br>Keep Container tightly closed |
|------------------------|--|



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|                               |   |
|-------------------------------|---|
| Storage Controls              | No special requirements                                       |
| Maintaining integrity<br>P233 | Keep container tightly closed                                 |
| Other Advice<br>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.<br>Use breathing protection with high concentrations  |
| Skin protection                  | Handle with gloves<br>Dispose of contaminated gloves after use in accordance with applicable law and good laboratory practice<br>Wash and dry hands<br>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             |
| Odor                                    | No data available |
| Odor 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 |



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|   |                   |
|---|-------------------|
| <b>Flammability (solid, gas)</b>                    | No data available |
| <b>Upper/Lower Flammability or Explosive Limits</b> | No data available |
| <b>Vapor Pressure</b>                               | No data available |
| <b>Vapor Density</b>                                | No data available |
| <b>Relative Density</b>                             | No data available |
| <b>Solubility(ies)</b>                              | No data available |
| <b>Partition Coefficient: n-octanol/water</b>       | No data available |
| <b>Auto-ignition temperature</b>                    | No data available |
| <b>Decomposition temperature</b>                    | No data available |
| <b>Viscosity</b>                                    | No data available |
| <b>Explosive properties</b>                         | No data available |
| <b>Oxidising properties</b>                         | No data available |

## 9.2 Other Information

No additional information available

## Section 10: Stability and Reactivity

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



# Tetracene

## Section 12: Ecological Information

|  |  |
|--|--|
| <b>12.1 Toxicity</b>                             | Not known  |
| <b>12.2 Persistence and degradability</b>        | Not known  |
| <b>12.3 Bio-Accumulative Potential</b>           | Not known  |
| <b>12.4 Mobility in soil</b>                     | Not known  |
| <b>12.5 Results of PBT &amp; vPvB assessment</b> | Not known  |
| <b>12.6 Other adverse effect</b>                 | 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 Waste treatment 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:



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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.