


# SAFETY DATA SHEET


OSHA HCS (29 CFR 1910.1200); WHMIS Classification

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

|  |                           |   |
|--|---------------------------|---|
| <b>1.1 Product identifier</b>  | Product Name              | HYPOXITRAK  |
|  | Product Code              | HT10500   |
|  | CAS No.                   | None assigned   |
|  | EINECS No.                | None assigned   |
|  | REACH Registration No.    | None assigned   |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Identified Use(s)         | Fluorescent DNA Dye<br>SU24 Scientific research and development                                     |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              | Company Identification    | BioStatus Limited<br>56A Charnwood Road<br>Shepshed<br>Leicestershire<br>LE12 9NP<br>United Kingdom |
|  | Telephone                 | T: +44 1509 558 163   |
|  | Fax                       | F: +44 1509 651 061   |
|  | E-Mail (competent person) | E: enquiry@biostatus.com  |
|  |                           | W: www.biostatus.com  |
| <b>1.4 Emergency telephone number</b>  | Emergency Phone No.       | +44 1509 558 163<br>(Hours of operation 09.00-18.00 GMT Mon-Fri)                                    |

## 2. SECTION 2: HAZARDS IDENTIFICATION

|   |                             |   |
|---|-----------------------------|---|
| <b>2.1 Classification of the substance or mixture</b> | Product Description         | Mixture<br>Blue. Slightly coloured liquid. Odorless.  |
|   | OSHA HCS (29 CFR 1910.1200) | Hazardous Ingredient(s)   |
|   | WHMIS Classification        | Class D, Division 2, Subdivision B, Toxic Material  |
| <b>2.2 Label elements</b>                             | Product Name                | According to Regulation (EC) No. 1272/2008 (CLP)<br>HYPOXITRAK  |
|   | Hazard Pictogram(s)         |    |
|   | Signal Word(s)              | Warning   |
|   | Hazard Statement(s)         | H315: Causes skin irritation.<br>H319: Causes serious eye irritation.<br>H335: May cause respiratory irritation.  |
|   | Precautionary Statement(s)  | P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P264: Wash (hands and exposed skin) thoroughly after handling.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P312: Call a POISON CENTER/doctor if you feel unwell.<br>P332+P313: If skin irritation occurs: Get medical advice/attention.<br>P362: Take off contaminated clothing. |

|   |                |           |
|---|----------------|-----------|
|  | Document Ref:  | HT1IN.SDS |
|   | Revision #:    | 002       |
|   | Revision date: | 23/11/21  |

- 2.3 **Other hazards** Warning - this preparation contains a substance not yet tested completely.
- 2.4 **Additional Information** None

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

| Hazardous Ingredient(s)   | %  | CAS No.       | OSHA HCS (29 CFR 1910.1200) | WHMIS Classification                               |
|---|----|---------------|-----------------------------|--|
| Proprietary derivative of 1,5-BIS[[2-(DIMETHYLAMINO)ETHYL]AMINO]-4,8-DIHYDROXYANTHRACENE-9,10-DIONE | <1 | None assigned | Irritant.                   | Class D, Division 2, Subdivision B, Toxic Material |

#### 3.3 Additional Information

For full text of H/P phrases see section 16.

### 4. SECTION 4: FIRST AID MEASURES



- 4.1 Description of first aid measures**  
General information
- Warning - this preparation contains a substance not yet tested completely.
- Inhalation  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- Ingestion  
IF SWALLOWED: Rinse mouth. Get medical attention immediately.
- Skin Contact  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, obtain medical attention.
- Eye Contact  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- 4.2 Most important symptoms and effects, both acute and delayed**
- Inhalation  
May cause irritation to the respiratory system.
- Ingestion  
Stomach ache. Vomiting
- Skin Contact  
May cause irritation.
- Eye Contact  
May cause eye irritation.
- 4.3 Indication of any immediate medical attention and special treatment needed**  
Treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 **Extinguishing Media** Non-flammable. In case of fire in the surroundings: all extinguishing agents allowed.
- 5.2 **Special hazards arising from the substance or mixture** None anticipated.
- 5.3 **Advice for fire-fighters** Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Wear suitable protective clothing, gloves and eye/face protection.
- 6.2 **Environmental precautions** Cover with absorbent or contain. Collect and dispose.

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|--|---|
| <p><b>6.3 Methods and material for containment and cleaning up</b></p> | <p>Wear suitable protective clothing, gloves and eye/face protection. Cover with absorbent or contain. Collect and dispose. Dispose of this material and its container to hazardous or special waste collection point. Wash the spillage area with water.</p> |
| <p><b>6.4 Reference to other sections</b></p>                          | <p>Wear suitable protective clothing, gloves and eye/face protection. For full text of H/P phrases see section 16. Collect mechanically and dispose of according to Section 13.</p>   |

## 7. SECTION 7: HANDLING AND STORAGE

- |  |   |
|--|---|
| <p><b>7.1 Precautions for safe handling</b></p>  | <p>For professional users only.<br/>Observe the usage / storage instructions.<br/>Wear suitable protective clothing, gloves and eye/face protection.<br/>Avoid contact with skin and eyes.<br/>Always wash hands before smoking, eating and drinking.</p> |
| <p><b>7.2 Conditions for safe storage, including any incompatibilities</b><br/>Storage temperature<br/>Storage life<br/>Incompatible materials</p> | <p>Storage temperature (°C): 2-8. Do not freeze.<br/>Observe directions on label and instructions for use.<br/>None anticipated.</p>  |
| <p><b>7.3 Specific end use(s)</b></p>  | <p>Fluorescent DNA Dye<br/>SU24 Scientific research and development</p>   |

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- |   |  |
|---|--|
| <p><b>8.1 Control parameters</b><br/>Exposure limit values<br/>USA (NIOSH/OSHA)<br/>BEI: Biological Exposure Indices (ACGIH)<br/>OEL (Ireland)<br/>Japan (ENCS)</p> | <p>Not determined.<br/>Not determined.<br/>Not determined.<br/>Not determined.<br/>Not determined.</p> |
| <p><b>8.2 Exposure controls</b></p>   |  |
| <p><b>8.2.1 Appropriate engineering controls</b></p>  | <p>Provide adequate ventilation.</p>   |
| <p><b>8.2.2 Personal protection equipment</b></p>   |  |



- |   |  |
|---|--|
| <p>Eye/face protection</p>                      | <p>Wear protective eyewear (goggles, face shield, or safety glasses).</p>  |
| <p>Skin protection (Hand protection/ Other)</p> | <p>Wear suitable protective clothing and gloves.</p>   |
| <p>Respiratory protection</p>                   | <p>Not normally required. Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature.</p> |

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |  |  |
|--|--|
| <p><b>9.1 Information on basic physical and chemical properties</b><br/>Appearance<br/>Color.<br/>Odor<br/>Odor Threshold<br/>pH<br/>Melting Point/Freezing Point<br/>Initial boiling point and boiling range<br/>Flash point<br/>Evaporation Rate<br/>Flammability (solid, gas)</p> | <p>Slightly coloured liquid.<br/>Blue.<br/>Odorless.<br/>Not available.<br/>Not available.<br/>Not available.<br/>Not available.<br/>Not available.<br/>Not available.<br/>Not available.<br/>Not available.</p> |
|--|--|

|  |                |
|--|----------------|
| Upper/lower flammability or explosive limits | Not available. |
| Vapor pressure                               | Not available. |
| Vapor density                                | Not available. |
| Relative density                             | Not available. |
| Solubility(ies)                              | Not available. |
| Partition coefficient: n-octanol/water       | Not available. |
| Auto-ignition temperature                    | Not available. |
| Decomposition Temperature                    | Not available. |
| Viscosity                                    | Not available. |
| Explosive properties                         | Not available. |
| Oxidizing properties                         | Not available. |
| <b>9.2 Other information</b>                 | None known.    |

## 10. SECTION 10: STABILITY AND REACTIVITY

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | None known.                              |
| <b>10.2 Chemical stability</b>                 | Stable at ambient temperatures.          |
| <b>10.3 Possibility of hazardous reactions</b> | None known.                              |
| <b>10.4 Conditions to avoid</b>                | None known.                              |
| <b>10.5 Incompatible materials</b>             | Strong oxidizing agents. Strong Alkalis. |
| <b>10.6 Hazardous decomposition product(s)</b> | None known.                              |

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

|  |  |
|--|--|
| <b>11.1 Information on toxicological effects</b>                           |  |
| <b>Mixture</b>   |  |
| Warning - this preparation contains a substance not yet tested completely. |  |
| <b>Acute toxicity</b>  | Not determined. No information available.                    |
| <b>Irritation</b>  | Not determined. No information available.                    |
| <b>Corrosivity</b>   | Not determined. No information available.                    |
| <b>Sensitization</b>   | Not determined. No information available.                    |
| <b>STOT - single exposure</b>  | Not determined. No information available.                    |
| <b>Repeated dose toxicity</b>  | Not determined. No information available.                    |
| <b>Carcinogenicity</b>   | Not determined. No information available.                    |
| <b>Mutagenicity</b>  | Not determined. No information available.                    |
| <b>Toxicity for reproduction</b>   | Not determined. No information available.                    |
| <b>11.2 Other information</b>  |  |
| Inhalation   | May cause irritation to the respiratory system.              |
| Ingestion  | Harmful: possible risk of irreversible effects if swallowed. |
| Skin Contact   | May cause irritation.  |
| Eye Contact  | May cause eye irritation.                                    |

## 12. SECTION 12: ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>12.1 Toxicity</b>                           | Not determined. No information available. |
| <b>12.2 Persistence and degradability</b>      | Not determined. No information available. |
| <b>12.3 Bioaccumulative potential</b>          | Not determined. No information available. |
| <b>12.4 Mobility in soil</b>                   | Not determined. No information available. |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not determined. No information available. |
| <b>12.6 Other adverse effects</b>              | Not determined. No information available. |

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

|                                     |   |
|-------------------------------------|---|
| <b>13.1 Waste treatment methods</b> | Disposal should be in accordance with local, state or national legislation. |
| <b>13.2 Additional Information</b>  | Wear suitable protective clothing, gloves and eye/face protection.          |

## 14. SECTION 14: TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT.

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'. (IMDG, ICAO/IATA, ADR/RID).

|   |                 |
|---|-----------------|
| <b>14.1 UN number</b>   | Not applicable. |
| <b>14.2 UN proper shipping name</b>   | Not applicable. |
| <b>14.3 Transport hazard class(es)</b>  | Not applicable. |
| <b>14.4 Packing group</b>   | Not applicable. |
| <b>14.5 Environmental hazards</b>   | None known.     |
| <b>14.6 Special precautions for user</b>  | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |

## 15. SECTION 15: REGULATORY INFORMATION

|  |  |
|--|--|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |  |
| SARA 313 - Toxic Chemicals   | None   |
| CERCLA (Comprehensive Environmental Response Compensation and Liability Act)                               | None   |
| Proposition 65 (California)  |  |
| Massachusetts MSL  | None   |
| New Jersey Department of Health RTK List   | None   |
| Pennsylvania RTK   | None   |
| <b>Canada</b>  |  |
| WHMIS Classification   | Class D, Division 2, Subdivision B, Toxic Material |
| PIN Number   | Not applicable.                                    |
| CANADA INGREDIENT DISCLOSURE LIST  | None   |
| <b>15.2 Chemical Safety Assessment</b>   | Not determined. No information available.          |

## 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

### LEGEND

|               |   |
|---------------|---|
| LTEL          | Long Term Exposure Limit                                      |
| STEL          | Short Term Exposure Limit                                     |
| STOT          | Specific Target Organ Toxicity                                |
| DNEL          | Derived No Effect Level                                       |
| PNEC          | Predicted No Effect Concentration                             |
| PBT           | Persistent, Bioaccumulative and Toxic                         |
| vPvB          | very Persistent and very Bioaccumulative                      |
| Flam. Liq. 1  | Flammable Liquid Category 1                                   |
| Flam. Liq. 2  | Flammable Liquid Category 2                                   |
| Flam. Liq. 3  | Flammable Liquid Category 3                                   |
| Acute Tox. 4  | Acute toxicity Category 4                                     |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2                          |
| Eye Irrit. 2  | Serious eye damage/irritation Category 2                      |
| STOT SE 3     | Specific target organ toxicity — single exposure Category 3   |
| STOT RE 1     | Specific target organ toxicity — repeated exposure Category 1 |

### Hazard Statement(s) and Precautionary Statement(s)

|   |  |
|---|--|
| H319: Causes serious eye irritation.    | P280: Wear protective gloves/protective clothing/eye protection/face protection.   |
| H315: Causes skin irritation.           | P264: Wash (hands and exposed skin) thoroughly after handling.   |
| H335: May cause respiratory irritation. | P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|   | P312: Call a POISON CENTER/doctor if you feel unwell.  |
|   | P332+P313: If skin irritation occurs: Get medical advice/attention.  |
|   | P362: Take off contaminated clothing.  |

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