


# SAFETY DATA SHEET


ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

|  |                           |   |
|--|---------------------------|---|
| <b>1.1 Product identifier</b>  | Product Name              | CYTRAK ORANGE   |
|  | Product code              | CO50050; CO50200; CO51000   |
|  | 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> | <b>Regulation (EC) No. 1272/2008 (CLP)</b>      | Not classified   |
|   | Physical hazards                                | H315: Causes skin irritation.  |
|   | Human health                                    | H319: Causes serious eye irritation.   |
|   |   | H335: May cause respiratory irritation.  |
|   | Environment                                     | Not classified   |
|   | <b>(67/548/EEC, 1999/45/EC and 2006/121/EC)</b> | Xi   |
|   |   | R36/37/38: Irritating to eyes, respiratory system and skin.  |
| <b>2.2 Label elements</b>                             | Product Name                                    | CYTRAK ORANGE  |
|   | 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 |

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|   | Revision #:    | 004       |
|   | Revision date: | 20/08/14  |

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.  
 Warning - this preparation contains a substance not yet tested completely.  
 None

**2.3 Other hazards****2.4 Additional Information****3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Mixtures**

Regulation (EC) No. 1272/2008 (CLP); (67/548/EEC, 1999/45/EC and 2006/121/EC)

| Hazardous ingredient(s)   | %  | CAS No.       | EC No.        | REACH Registration No. | Hazard pictogram(s) and Hazard statement(s)  |
|---|----|---------------|---------------|------------------------|--|
| Proprietary Derivative of 1,5-BIS[[2-(DIMETHYLAMINO)ETHYL]AMINO]-4,8-DIHYDROXYANTHRACENE-9,10-DIONE | <1 | None assigned | None assigned | None assigned          |  <p>H315: Causes skin irritation.<br/>           H319: Causes serious eye irritation.<br/>           H335: May cause respiratory irritation.<br/>           Xi; R36/37/38: Irritating to eyes, respiratory system and skin.</p> |

**3.2 Additional Information**

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

**4. SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

General information

Inhalation

Ingestion

Skin Contact

Eye Contact

Warning - this preparation contains a substance not yet tested completely.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Get medical attention immediately.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If symptoms persist, obtain medical attention.

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

Ingestion

Skin Contact

Eye Contact

May cause irritation to the respiratory system.


Stomach ache. Vomiting

May cause irritation.

May cause eye irritation.

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

Treat symptomatically.

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## 5. SECTION 5: FIRE-FIGHTING MEASURES

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

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- |     |  |  |
|-----|--|--|
| 6.1 | <b>Personal precautions, protective equipment and emergency procedures</b> | Wear suitable protective clothing, gloves and eye/face protection. Please see section 8 SDS for more details.  |
| 6.2 | <b>Environmental precautions</b>   | Cover with absorbent or contain. Collect and dispose.  |
| 6.3 | <b>Methods and material for containment and cleaning up</b>                | 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. |
| 6.4 | <b>Reference to other sections</b>   | Wear suitable protective clothing, gloves and eye/face protection. Please see section 8 SDS for more details. For full text of H/P phrases see section 16. Collect mechanically and dispose of according to Section 13.                                |

## 7. SECTION 7: HANDLING AND STORAGE

- |     |   |  |
|-----|---|--|
| 7.1 | <b>Precautions for safe handling</b>                                | 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. |
| 7.2 | <b>Conditions for safe storage, including any incompatibilities</b> | Storage temperature (°C): 2-8. Do not freeze.<br>Observe directions on label and instructions for use.   |
| 7.3 | <b>Specific end use(s)</b>  | None anticipated.<br>Fluorescent DNA Dye<br>SU24 Scientific research and development   |

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

- |       |   |                               |
|-------|---|-------------------------------|
| 8.1   | <b>Control parameters</b>               | Not determined.               |
| 8.2   | <b>Exposure controls</b>                |                               |
| 8.2.1 | <b>Appropriate engineering controls</b> | Provide adequate ventilation. |
| 8.2.2 | <b>Personal protection equipment</b>    |                               |



Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)

Wear suitable protective clothing and gloves.

Respiratory protection

Not normally required. Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |     |  |                  |
|-----|--|------------------|
| 9.1 | <b>Information on basic physical and chemical properties</b> |                  |
|     | Appearance   | Coloured liquid. |

|  |                |
|--|----------------|
| Colour                                       | Red.           |
| Odour  | Odourless.     |
| Odour Threshold                              | Not available. |
| pH   | Not available. |
| Melting Point/Freezing Point                 | Not available. |
| Initial boiling point and boiling range      | Not available. |
| Flash point                                  | Not available. |
| Evaporation rate                             | Not available. |
| Flammability (solid, gas)                    | Not available. |
| Upper/lower flammability or explosive limits | Not available. |
| Vapour pressure                              | Not available. |
| Vapour 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. |
| Oxidising 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 oxidising 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>Sensitisation</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. Please see section 8 SDS for more details. |

**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> | This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010. |
| <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.    | Xi  |
| H315: Causes skin irritation.           | R36/37/38: Irritating to eyes, respiratory system and skin. |
| H335: May cause respiratory irritation. |   |

**Disclaimers**

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