SAFETY DATA SHEET

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

1.1 Product identifier
Product Name
DRAQ5
Product code
DR05100; DR05500; DR10100; DR50050; DR50200; DR51000
CAS No.
None assigned
EINECS No.
None assigned
REACH Registration No.
None assigned

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s)
Fluorescent DNA Dye
SU24 Scientific research and development

1.3 Details of the supplier of the Safety Data Sheet
Company Identification
BioStatus Limited
56A Charnwood Road
Shepshed
Leicestershire
LE12 9NP
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

1.4 Emergency telephone number
Emergency Phone No.
+44 1509 558 163
(Hours of operation 09.00-18.00 GMT Mon-Fri)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Regulation (EC) No. 1272/2008 (CLP)
Physical hazards
Not classified
Human health
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Environment
(67/548/EEC, 1999/45/EC and 2006/121/EC)
Not classified
Xi
R36/37/38: Irritating to eyes, respiratory system and skin.

2.2 Label elements
Product Name
DRAQ5
Hazard pictogram(s)

Signal word(s)
Warning
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Hazard statement(s)
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash (hands and exposed skin) thoroughly after handling.
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.

2.3 Other hazards

2.4 Additional Information

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

None

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures


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

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

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. Please see section 8 SDS for more details.

6.2 **Environmental precautions**

Cover with absorbent or contain. Collect and dispose.

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

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 **Reference to other sections**

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 **Precautions for safe handling**

For professional users only. Observe the usage / storage instructions. Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with skin and eyes. Always wash hands before smoking, eating and drinking.

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

- **Storage Temperature**
  Storage temperature (°C): 2-8. Do not freeze.

- **Storage Life**
  Observe directions on label and instructions for use.

- **Incompatible materials**
  None anticipated.

7.3 **Specific end use(s)**

Fluorescent DNA Dye

SU24 Scientific research and development

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

8.1 **Control parameters**

- **Exposure limit values**
  Not determined.

8.2 **Exposure controls**

8.2.1 **Appropriate engineering controls**

Provide adequate ventilation.

8.2.2 **Personal protection equipment**

- **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 **Information on basic physical and chemical properties**

- **Appearance**
  Coloured liquid.
9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
None known.

10.2 Chemical stability
Stable at ambient temperatures.

10.3 Possibility of hazardous reactions
None known.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Strong oxidising agents. Strong Alkalis.

10.6 Hazardous Decomposition Product(s)
None known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Mixture
Warning - this preparation contains a substance not yet tested completely.

Acute toxicity
Not determined. No information available.

Irritation
Not determined. No information available.

Corrosivity
Not determined. No information available.

Sensitisation
Not determined. No information available.

STOT - single exposure
Not determined. No information available.

Repeated dose toxicity
Not determined. No information available.

Carcinogenicity
Not determined. No information available.

Mutagenicity
Not determined. No information available.

Toxicity for reproduction
Not determined. No information available.

11.2 Other information
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

12.1 Toxicity
Not determined. No information available.

12.2 Persistence and degradability
Not determined. No information available.

12.3 Bioaccumulative potential
Not determined. No information available.

12.4 Mobility in soil
Not determined. No information available.

12.5 Results of PBT and VPVB assessment
Not determined. No information available.

12.6 Other adverse effects
Not determined. No information available.
13. **SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods
Disposal should be in accordance with local, state or national legislation.

13.2 Additional Information
Wear suitable protective clothing, gloves and eye/face protection. Please see section 8 SDS for more details.

14. **SECTION 14: TRANSPORT INFORMATION**

Not classed as dangerous for transport.

14.1 UN number
Not applicable.
14.2 UN Proper Shipping Name
Not applicable.
14.3 Transport hazard class(es)
Not applicable.
14.4 Packing Group
Not applicable.
14.5 Environmental hazards
None known.
14.6 Special precautions for user
Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

15. **SECTION 15: REGULATORY INFORMATION**

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2 Chemical Safety Assessment
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.
- H315: Causes skin irritation.
- H335: May cause respiratory irritation.
- Xi: Skin corrosion/irritation Category 2
- R36/37/38: Irritating to eyes, respiratory system and skin.
- Category 2

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