SAFETY DATA SHEET
OSHA HCS (29 CFR 1910.1200); WHMIS Classification

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

Product Description: Mixture
WHMIS Classification: Hazardous Ingredient(s)
Class D, Division 2, Subdivision B, Toxic Material

2.2 Label elements

Product Name: DRAQ5
Hazard Pictogram(s): Warning
Signal Word(s): H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Hazard Statement(s):
Precautionary 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.
2.3 Other hazards

P362: Take off contaminated clothing.

2.4 Additional Information

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

None

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>%</th>
<th>CAS No.</th>
<th>OSHA HCS (29 CFR 1910.1200)</th>
<th>WHMIS Classification</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>IRRITANT.</td>
<td>Class D, Division 2, Subdivision B, Toxic Material</td>
</tr>
</tbody>
</table>

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.
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. 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 life

Incompatible materials


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

USA (NIOSH/OSHA)

BEI: Biological Exposure Indices (ACGIH)

OEL (Ireland)

Japan (ENCS)

Not determined.

Not determined.

Not determined.

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 vapor pressure of the material at ambient temperature.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Colored liquid.

Color

Blue.

Odor

Odorless.

Odor 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.
9.2 Other information

Not available.

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Not available.
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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- SARA 313 - Toxic Chemicals None
- CERCLA (Comprehensive Environmental Response Compensation and Liability Act) None
- Proposition 65 (California) None
- Massachusetts MSL None
- New Jersey Department of Health RTK List None
- Pennsylvania RTK None

Canada
- WHMIS Classification Class D, Division 2, Subdivision B, Toxic Material
- PIN Number Not applicable.

15.2 Chemical Safety Assessment None

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.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
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- P362: Take off contaminated clothing.

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