

# 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**

**Product identifier** 1.1

> DRAQ9 **Product Name**

Product code DR90200; DR91000 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 Cytoplasmic 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 T: +44 1509 558 163 F: +44 1509 651 061

Telephone Fax 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)

#### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)

Physical hazards Not classified

Human health H319: Causes serious eye irritation.

Environment Not classified

(67/548/EEC, 1999/45/EC and 2006/121/EC)

Label elements 2.2

> **Product Name** Hazard pictogram(s)

H315: Causes skin irritation.

H335: May cause respiratory irritation.

R36/37/38: Irritating to eyes, respiratory system and skin.

DRAQ9



Signal word(s) Warning

Hazard statement(s) H315: Causes skin irritation. H319: Causes serious eye irritation.

H335: May cause respiratory irritation. P280: Wear protective gloves/protective clothing/eye Precautionary statement(s)

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



2.3

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.

2.4 Additional Information None

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

#### 3.1 Mixtures

Other hazards

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- DIHYDROXYANTHRACE NE-9,10-DIONE Dimethyl sulfoxide	99	None assigned	None assigned	None assigned  None assigned	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.

#### 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

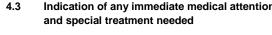
rinsing. If eye irritation persists: Get medical

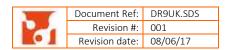
advice/attention.

# 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. Indication of any immediate medical attention Treat symptomatically.







5.3

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

5.1 **Extinguishing Media** In case of fire, use water spray, foam, dry powder or CO2

> for extinction. Sulphur oxides.

5.2 Special hazards arising from the substance or

mixture

including self-contained breathing apparatus.

Fire fighters should wear complete protective clothing

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and

emergency procedures

Advice for fire-fighters

Remove all ignition sources. Avoid breathing vapours. Wear suitable protective clothing, gloves and eye/face protection.

Please see section 8 SDS for more details.

6.2 **Environmental precautions** 

6.3 Methods and material for containment and

cleaning up

Cover with absorbent or contain. Collect and dispose. 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.

#### **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 breathing vapours.

Keep away from sources of ignition - No smoking. 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

Storage temperature (°C): -20.

Observe directions on label and instructions for use. None

anticipated.

7.3 Specific end use(s) Fluorescent Cytoplasmic Dye

SU24 Scientific research and development

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

8.1 Control parameters

8.2

8.2.2

Exposure limit values

**Exposure controls** 

8.2.1 Appropriate engineering controls

Personal protection equipment

Not determined.

Provide adequate ventilation.





Eye/face protection

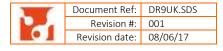
Skin protection (Hand protection/ Other)

Respiratory protection

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

Wear suitable protective clothing and gloves. Not normally required. Unlikely to be hazardous by inhalation because of the low vapour pressure of the

material at ambient temperature.





9.2

# 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical

properties

Appearance Coloured liquid.

Colour Blue.

Odour Not available. Odour Threshold Not available. Not available. Melting Point/Freezing Point 18-19 °C Initial boiling point and boiling range 188-190 °C Flash point 87-89 °C 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. Other information None known.

#### 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 Keep away from fire, sparks and heated surfaces.

10.5 Incompatible materials
 10.6 Hazardous Decomposition Product(s)
 Strong oxidising agents. Strong Alkalis.
 None known. In case of fire: See Section: 5

# 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Chemical Name	LD50	LD50	LD50
	Oral (rat)	Dermal (rabbit)	Inhalation (rat)
Dimethyl sulfoxide	14,500 mg/kg	5,000 mg/kg	4 h - 40250 ppm

#### 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.

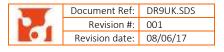
11.2 Other information

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

Chemical Name	LC50	LC50	LC50
	(Fathead minnow	(Rainbow	(Daphnia
	(Pimephales promelas))	trout)	magna)
Dimethyl sulfoxide	34,000 mg/l 96 h	35,000 mg/l 96 h	27,500 mg/l

#### **Mixture**

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

12.2 Persistence and degradability

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.

Not determined. No

# 14. SECTION 14: TRANSPORT INFORMATION

NOT CLASSED AS DANGEROUS FOR Not classified according to the United Nations

TRANSPORT. 'Recommendations on the Transport of Dangerous Goods'.

(IMDG, ICAO/IATA, ADR/RID).

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 Not applicable.

MARPOL73/78 and the IBC Code

# 15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental This Safety Data Sheet was prepared in accordance with regulations/legislation specific for the substance EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP)

or mixture & 453/2010.

**Chemical Safety Assessment** Not determined. No information available.

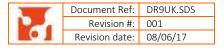
# 16. SECTION 16: OTHER INFORMATION

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

**LEGEND** 

LTEL Long Term Exposure Limit STEL Short Term Exposure Limit Specific Target Organ Toxicity STOT DNEL Derived No Effect Level

**PNEC** Predicted No Effect Concentration





PBT Persistent, Bioaccumulative and Toxic PvB 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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