

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 Product Code

> CAS No. EINECS No. REACH Registration No.

- 1.2 Relevant identified uses of the substance or mixture and uses advised against Identified Use(s)
- **1.3 Details of the supplier of the safety data sheet** Company Identification

DRAQ7 DR70250; DR71000; DR710HC; DR72524; DR77524; DR71005 None assigned None assigned None assigned

Fluorescent DNA Dye SU24 Scientific research and development

BioStatus Limited 56A Charnwood Road Shepshed Leicestershire LE12 9NP United Kingdom T: +44 1509 558 163 F: +44 1509 651 061 E: enquiry@biostatus.com W: www.biostatus.com

Telephone Fax E-Mail (competent person)

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

> OSHA HCS (29 CFR 1910.1200) WHMIS Classification

2.2 Label elements Product Name Hazard Pictogram(s)

> Signal Word(s) Hazard Statement(s)

Precautionary Statement(s)

Mixture Blue. Clear. Liquid. Odorless. Hazardous Ingredient(s) Class D, Division 2, Subdivision B, Toxic Material According to Regulation (EC) No. 1272/2008 (CLP) DRAQ7



Warning
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
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.



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2.3 Other hazards P362: Take off contaminated clothing. Warning - this preparation contains a substance not yet tested completely. None

2.4 Additional Information

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- DIHYDROXYANTHRACE NE-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.

SECTION 4: FIRST AID MEASURES 4.



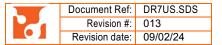
4.1	Description of first aid measures	
	General information	Warning - this preparation contains a substance not yet
		tested completely.
	Inhalation	IF INHALED: Remove person to fresh air and keep
		comfortable for breathing.
	Ingestion	IF SWALLOWED: Rinse mouth. Get medical attention
		immediately.
	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	Treat symptomatically.
	and special treatment needed	
5.	SECTION 5: FIRE-FIGHTING MEASURES	
5.1	Extinguishing Media	Non-flammable. In case of fire in the surroundings: all
0.1		extinguishing agents allowed.
5.2	Special hazards arising from the substance or	None anticipated.
0.2	mixture	None anticipated.
5.3	Advice for fire-fighters	Fire fighters should wear complete protective clothing
5.0		

SECTION 6: ACCIDENTAL RELEASE MEASURES 6.

6.1 emergency procedures

Personal precautions, protective equipment and Wear suitable protective clothing, gloves and eye/face protection.

including self-contained breathing apparatus.





- 6.2 **Environmental precautions** Cover with absorbent or contain. Collect and dispose. Methods and material for containment and 6.3 Wear suitable protective clothing, gloves and eye/face protection. Cover with absorbent or contain. Collect and cleaning up 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. SECTION 7: HANDLING AND STORAGE 7. 7.1 Precautions for safe handling For professional users only. Observe the usage / storage instructions. Wear suitable protective clothing, gloves and eye/face protection.
- 7.2 Conditions for safe storage, including any incompatibilities
 Storage temperature
 Storage life
 Incompatible materials

 7.3 Specific end use(s)

Storage temperature (°C): 2-8. Do not freeze. Observe directions on label and instructions for use. None anticipated. Fluorescent DNA Dye

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Always wash hands before smoking, eating and drinking.

Avoid contact with skin and eyes.

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)
- 8.2 Exposure controls
- 8.2.1 Appropriate engineering controls
- 8.2.2 Personal protection equipment

Eye/face protection

Respiratory protection

Not determined. Not determined. Not determined. Not determined.

Provide adequate ventilation.



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

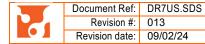
Wear suitable protective clothing and gloves. Not normally required. Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

Skin protection (Hand protection/ Other)

- properties Appearance Color. Odor Odor Threshold pH Melting Point/Freezing Point Initial boiling point and boiling range Flash point Evaporation Rate
- Colored liquid. Blue. Odorless. Not available. Not available. Not available. Not available. Not available. Not available.





Flammability (solid, gas)	Not available.
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.
Other information	None known.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

9.2

- 10.2 **Chemical stability**
- 10.3 Possibility of hazardous reactions
- 10.4 Conditions to avoid
- 10.5 Incompatible materials
- 10.6 Hazardous decomposition product(s)

11. SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects 11.1 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. Sensitization 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

Additional Information

Disposal should be in accordance with local, state or national legislation. Wear suitable protective clothing, gloves and eye/face protection.

14. SECTION 14: TRANSPORT INFORMATION

NOT CLASSED AS DANGEROUS FOR

Not classified according to the United Nations 'Recommendations on



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13.2

None known. Stable at ambient temperatures. None known. None known. Strong oxidizing agents. Strong Alkalis. None known.



TRANS	PORT. 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 o	f Not applicable.
	MARPOL73/78 and the IBC Code	
15. <mark>S</mark>	ECTION 15: REGULATORY INFOR	RMATION
15.1	Safety, health and environmental regulations/legislation specific for the su or mixture	bstance
	SARA 313 - Toxic Chemicals	None
	CERCLA (Comprehensive Environmental R Compensation and Liability Act) Proposition 65 (California)	esponse 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.

None

Not determined. No information available.

16. SECTION 16: OTHER INFORMATION

Chemical Safety Assessment

CANADA INGREDIENT DISCLOSURE LIST

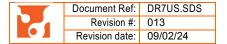
The following sections contain revisions or new statements: 1-16. LEGEND

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 S	Statement(s)
H319: Causes serious eye irritation.	P280: Wear protective gloves/protective clothing/eye protection/face
H315: Causes skin irritation.	protection.
H335: May cause respiratory irritation.	P264: Wash (hands and exposed skin) thoroughly after handling.
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	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.

Disclaimers

15.2

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