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	DRAQ*fx*; FIX & GO
Product Code	DFX2596; DFX7596
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 Blue. Clear. Liquid. Odourless.
OSHA HCS (29 CFR 1910.1200)	Hazardous Ingredient(s)
WHMIS Classification	Class D, Division 2, Subdivision B, Toxic Material

2.2 Label elements

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

Product Name	DRAQ*fx*
Hazard Pictogram(s)	
Signal Word(s)	Warning
Hazard Statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.
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. P362: Take off contaminated clothing.

2.3	**Other hazards**	Warning - this preparation contains a substance not yet tested completely.
2.4	**Additional Information**	None

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-DIHYDROXYANTHRACENE-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.

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 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.
	USA (NIOSH/OSHA)	Not determined.
	BEI: Biological Exposure Indices (ACGIH)	Not determined.
	OEL (Ireland)	Not determined.
	Japan (ENCS)	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	Colored liquid.
	Color.	Blue.
	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.
9.2	**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**	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.

14. SECTION 14: TRANSPORT INFORMATION

NOT CLASSED AS DANGEROUS FOR TRANSPORT.

Not classified according to the United Nations '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 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)	
	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.
	CANADA INGREDIENT DISCLOSURE LIST	None
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.

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.

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. BioStatus gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. BioStatus accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.