



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

DRAQ9 DR90200; DR91000 None assigned None assigned None assigned

Fluorescent Cytoplasmic Dye SU24 Scientific research and development

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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)

Telephone

E-Mail (competent person)

Emergency Phone No.

Emergency telephone number

Fax

1.4

Signal Word(s) Hazard Statement(s)

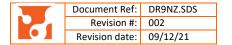
Precautionary Statement(s)

Mixture Blue. Clear. Liquid. Hazardous Ingredient(s) Class D, Division 2, Subdivision B, Toxic Material According to Regulation (EC) No. 1272/2008 (CLP) DRAQ9



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.

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

3.2 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
Dimethyl sulfoxide	99	67-68-5	EINECS-No 200-664-3	

3.3 Additional Information

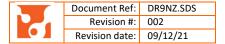
For full text of H/P phrases see section 16.

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 Treat symptomatically. and special treatment needed 5. **SECTION 5: FIRE-FIGHTING MEASURES**

5.1 Extinguishing Media In case of fire, use water spray, foam, dry powder or CO2 for extinction.
 5.2 Special hazards arising from the substance or mixture
 5.3 Advice for fire-fighters
 Fire fighters should wear complete protective clothing including self-contained breathing apparatus.





7.2

7.3

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Remove all ignition sources. Avoid breathing vapours. 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

Conditions for safe storage, including any

7.1 Precautions for safe handling

incompatibilities Storage temperature

Incompatible materials

Specific end use(s)

Storage life

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.

Storage temperature (°C): -20. Observe directions on label and instructions for use. None anticipated. Fluorescent Cytoplasmic 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)
- 8.2 Exposure controls
- 8.2.1 Appropriate engineering controls
- 8.2.2 Personal protection equipment

Eye/face protection

Skin protection (Hand protection/ Other) Respiratory protection Not determined. 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.

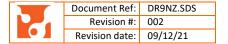
Not normally required. Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical

properties Appearance Color. Odor Odor Threshold

Colored liquid. Blue. Not available. Not available.





рН	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.
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)

Stable at ambient temperatures. None known. None known. Strong oxidizing agents. Strong Alkalis. None known. In case of fire: See Section: 5

None known.

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

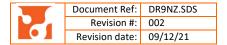
Mixture

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.
	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





Chemical Name	LC50LD50	LC50	LC50
	(Fathead minnow	(Rainbow	(Daphnia
	(Pimephales promelas))	trout)	magna)
Dimethyl sulfoxide	34,000 mg/l 96 hmg/kg	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
- 12.3 Bioaccumulative potential
- 12.4 Mobility in soil
- 12.5 Results of PBT and vPvB assessment
- 12.6 Other adverse effects

13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
- 13.2 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 TRANSPORT.

- 14.1 **UN number**
- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es)
- Packing group 14.4
- **Environmental hazards** 14.5
- 14.6 Special precautions for user
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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	None		
	Compensation and Liability Act)			
	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.		

Revision #: 002 Revision date: 09/12/21 the Transport of Dangerous Goods'. (IMDG, ICAO/IATA, ADR/RID). Not applicable. Not applicable. Not applicable. Not applicable. None known. Not applicable. Not applicable.

Not classified according to the United Nations 'Recommendations on

DR9NZ.SDS Document Ref:

Not determined. No information available. 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 Stat	tement(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.
	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	č

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