

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	6x DNA Loading Dye Buffer Orange
Catalog number	07-04-00001 07-04-00010
Manufacturer/Supplier	Solis BioDyne Riia 185a, 51014 Tartu Estonia Tel. +372 740 9960 Fax. +372 740 2079
Information in case of emergency	Tel. +372 740 9960

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. HAZARDS IDENTIFICATION

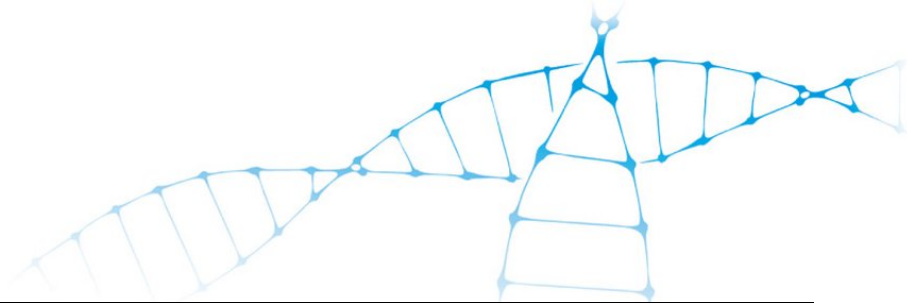
Hazard description	Not applicable
Information concerning particular hazards for human and environment	Not applicable
Classification system	The classification is according to the latest editions of the EU-lists.

4. FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Skin contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Eye contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol resistant foam.
Fire/Explosion hazards	Not applicable
Protective equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment. Ensure adequate ventilation.
Environmental precautions	Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Handling	No special measures are required for safe handling of this product.
Storage	No special precautions required. Store at -20°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

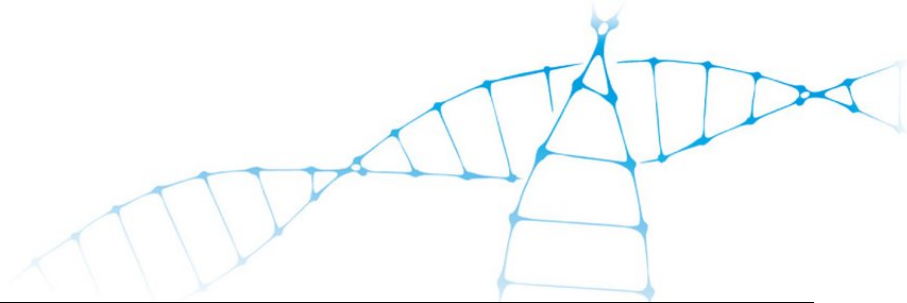
Engineering measures	Not required, see section 7.
Personal protective equipment	
Respiratory protection	Not required.
Hand protection	Protective gloves.
Eye protection	Protective goggles.
Skin and body protection	Appropriate protective clothing.
Hygiene measures	Do not eat, drink or smoke when handling this product. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solution
Color	Colorless
Odour	Not defined
Ph value	7.0-7.5
Boiling point	Undetermined
Melting point	Undetermined
Flash point	Not applicable
Autoflammability	Not applicable
Explosion hazard	Not applicable
Vapour pressure	No information available
Relative density	No information available
Water solubility	Easily soluble

10. STABILITY AND REACTIVITY

Conditions to avoid	None, if used according to specifications
Materials to avoid	Strong oxidizing agents, acids and alkali
Hazardous decomposition products	No dangerous decomposition products known



11. TOXICOLOGICAL INFORMATION

Routes of exposure:	
Inhalation	Material may be irritating to mucous membranes and upper respiratory tract.
Skin contact	May cause skin irritation
Eye contact	May cause eye irritation
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
Additional toxicological information	When used and handled according to specifications, the product does not have any harmful effects to our experience

12. ECOLOGICAL INFORMATION

Mobility	No data available
Degradability	Inherently biodegradable
Accumulation	Does not bioaccumulate
Ecotoxicity	This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system

13. DISPOSAL CONSIDERATIONS

Waste handling and disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)	
ADR/RID class	no
Air transport ICAO-TI and IATA-DGR	
ICAO/IATA class	no
Additional information	This substance is considered to be non-hazardous for transport

15. REGULATORY INFORMATION

Labelling according to EU guidelines	This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.
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16. OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Solis BioDyne is not held liable for any damage resulting from handling or from contact with the above mentioned products.