

SECTION 1: Identification of the substance/mixture and of the company/undertaking

**Product identifier**

**Product code** R0611  
**Product name** 6x DNA Loading Dye

**Chemical Name** Not applicable  
**REACH registration number** No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

**Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses** For research use only  
**Use Description Code** SU22 - Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as a laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development  
**Uses advised against** Not for consumer use.

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier**

Thermo Fisher Scientific Baltics UAB  
 V.Graiciuno 8  
 LT-02241 Vilnius  
 Lithuania  
 Tel.: +370 5 2602131  
 Fax.: +370 5 2602142

**Emergency telephone number**

For Chemical Emergency (Spill, Leak, Fire, Exposure or Accident), call  
 CHEMTREC Domestic North America: 1-800-424-9300 (24 hours)  
 CHEMTREC International: 1-703-527-3887 (collect calls accepted)

**24 hour Emergency Response:** 866-536-0631  
 301-431-8585  
 Outside of the U.S. ++1-301-431-8585

**Country specific Emergency Number (if available):** , , , ,

CHEMTREC Ireland (Dublin) +(353)-19014670 (Greeting Language: English and Irish)  
 CHEMTREC UK (London) +(44)-870-8200418 (Greeting Language: English)

## SECTION 2: Hazards identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

##### Physical hazards

Not classified

##### Health hazards

Not classified

##### Environmental Hazards

Not classified

### Additional information

Not Applicable

### Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP]

##### Hazard pictograms

No Pictogram

##### Signal word

None

##### hazard statements

Not applicable

##### Precautionary Statements

##### Prevention

Not applicable

##### Response

Not applicable

##### Storage

Not applicable

##### Disposal

Not applicable

##### Other Hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

Component	CAS-No.	EINECS-No.	Weight percent	REACH registration number	Classification according to Regulation (EC) No 1272/2008 [CLP]
Glycerin 56-81-5 ( 40-70 )	56-81-5	200-289-5	40-70	01-2119471987-18-X XXX	Not classified

Revision date 22-Jul-2016  
Product code R0611

Page 2 / 9  
Product name 6x DNA Loading Dye

## SECTION 4: First aid measures

### Description of first aid measures

<b>Skin contact</b>	Rinse with plenty of water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
<b>INGESTION</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically.

### Most important symptoms and effects, both acute and delayed

no data available

### Indication of any immediate medical attention and special treatment needed

None.

## SECTION 5: Firefighting measures

### Extinguishing media

<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Unsuitable Extinguishing Media</b>	No information available.

**Special hazards arising from the substance or mixture** Not known.

**Advice for fire-fighters** Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

### Environmental precautions

Prevent product from entering drains.

### Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### Reference to other sections

See section 8 for more information.

## SECTION 7: Handling and storage

### Precautions for safe handling

Use personal protective equipment as required. Wear personal protective equipment.

### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

### Specific end use(s)

For research use only.

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### Exposure Limits

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
Glycerin 56-81-5	None	None	None

Chemical Name	Austria	Belgium (TWA)	Denmark (TWA)	Finland OEL (TWA)
Glycerin 56-81-5	None	10 mg/m <sup>3</sup>	None	None

Chemical Name	France OEL (VME)	Germany OEL (TWA)	Ireland (TWA)	Italy OEL (TWA)
Glycerin 56-81-5	10 mg/m <sup>3</sup>	None	10 mg/m <sup>3</sup>	None

Chemical Name	Sweden - Occupational Exposure Limits - TLVs (LLVs)	Netherlands OEL (MAC)	Spain OEL (TWA)	United Kingdom
Glycerin 56-81-5	None	None	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

Chemical Name	European Union	United Kingdom	France OEL (VME)	Germany OEL (TWA)
Glycerin 56-81-5	None	None	10 mg/m <sup>3</sup>	None

Chemical Name	Italy OEL (TWA)	Portugal	Netherlands OEL (MAC)	Finland OEL (TWA)
Glycerin 56-81-5	None	None	None	None

Chemical Name	Austria	Denmark	Poland	Switzerland
Glycerin 56-81-5	None	None	None	None

Chemical Name	Ireland	Norway	Lithuania OEL (TWA)	Spain OEL (TWA)
Glycerin 56-81-5	None	None	None	10 mg/m <sup>3</sup>

**Engineering measures**      Ensure adequate ventilation, especially in confined areas.

### Exposure controls

#### Personal protection equipment

**Respiratory protection**      In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

**Hand Protection**              Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Eye protection**                 Tight sealing safety goggles.

**Skin and body protection**      Wear suitable protective clothing.

**Hygiene measures**                Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid, blue	
<b>Odour</b>	Odourless	
<b>Odour Threshold</b>	no data available	
<b>pH</b>	7.6	
<b>Melting point / melting range</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Boiling point / boiling range</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Flash point</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Autoignition temperature</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Decomposition temperature</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Evaporation rate</b>	no data available	
<b>Flammability (solid, gas)</b>	no data available	
<b>Upper explosion limit</b>	Mixture has not been tested	
<b>Lower explosion limit</b>	Mixture has not been tested	
<b>Vapour Pressure</b>	Mixture has not been tested	
<b>Relative density</b>	Mixture has not been tested	
<b>Specific gravity</b>	no data available	
<b>Solubility</b>	completely miscible	
<b>Partition coefficient: n-octanol/water</b>	no data available	
<b>Explosive properties</b>	Mixture has not been tested	
<b>OTHER INFORMATION</b>	no data available	

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to Avoid</b>	No information available.
<b>Incompatible Materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	no data available.

## SECTION 11: Toxicological information

### Information on toxicological effects

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Glycerin	= 12600 mg/kg Oral	no data available	>570mg/m <sup>3</sup> (Rat)

### Principle Routes of Exposure, Potential health effects

<b>Irritation</b>	Conclusive but not sufficient for classification
<b>Corrosivity</b>	Conclusive but not sufficient for classification
<b>Sensitisation</b>	Conclusive but not sufficient for classification
<b>STOT - Single Exposure</b>	Conclusive but not sufficient for classification
<b>STOT - Repeated Exposure</b>	Conclusive but not sufficient for classification
<b>Carcinogenicity</b>	Conclusive but not sufficient for classification
<b>Mutagenicity</b>	Conclusive but not sufficient for classification
<b>Reproductive toxicity</b>	Conclusive but not sufficient for classification

## SECTION 12: Ecological information

### Toxicity

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Glycerin	no data available	Daphnia magna EC50>500 mg/L (24 h)	no data available	no data available	logPow-1.76

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

**IATA / ADR / DOT-US / IMDG**

Not classified as dangerous in the meaning of transport regulations.

**UN Number** Not applicable

**UN proper shipping name** Not applicable

**Transport hazard class(es)** Not applicable

**Packing group** Not applicable

**Environmental Hazards** Not applicable

**Special precautions for user** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

SECTION 15: Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Substances of Very High Concern**

None.

**Restricted substances under EC 1907/2006, Annex XVII**

None.

**Substances listed under Annex I of Regulation (EC) No 689/2008**

None.

**Restricted substances under Annex V of Regulation (EC) No 689/2008**

None.

**Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC**

None.

**German Water hazard classes (Wassergefährdungsklassen)**

Chemical Name	Weight percent	Germany - Water Classification (VwVwS) - Annex 1	Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes	Germany - Water Classification (VwVwS) - Annex 3
Glycerin	40-70		hazard class 1 - low hazard to waters	

**Other International Inventories**

Chemical Name	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)	ENCS (Japan)	PICCS (Philippines)
Glycerin	Listed	-	Listed	Listed

Chemical Name	AICS (Australia)	South Korea (KECL)	Canada (DSL)	NDSL
Glycerin	Listed	Listed	Listed	-

**Chemical Safety Assessment**

No Chemical safety assessment has been carried out.



## SECTION 16: Other information

**Reason for revision** Update according to Commission Regulation (EU) No 453/2010.

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"