

**Safety Data Sheet (SDS)** According to the REACH Regulation (EC) No. 1907/2006

**Issuing Date:** 2017-10-24

**Revision Date:** 2023-01-11

**Version:** 3

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

### 1.1. Product identifier

<b>Product No</b>	29580
<b>Product name</b>	Multiplex Oligos for Illumina(Single Index Primers) (ChIP-seq, CUT&RUN)
<b>Kit Component</b>	59713: USER Enzyme 42436: Adaptor for Illumina 12078: Universal PCR Primer for Illumina 28248: Index 1 Primer for Illumina 41836: Index 2 Primer for Illumina 64036: Index 3 Primer for Illumina 83765: Index 4 Primer for Illumina 18392: Index 5 Primer for Illumina 27180: Index 6 Primer for Illumina 43985: Index 7 Primer for Illumina 68962: Index 8 Primer for Illumina 83219: Index 9 Primer for Illumina 90275: Index 10 Primer for Illumina 28019: Index 11 Primer for Illumina 39090: Index 12 Primer for Illumina

### Contains

<b>Chemical name</b>	<b>Index No.</b>	<b>CAS No</b>
glycerol (60 - 70%)	Not Listed	56-81-5

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Identified uses</b>	For research use only
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### 1.3. Details of the supplier of the safety data sheet

<b>Importer</b>	<b>Manufacturer</b>
Cell Signaling Technology Europe B.V. Dellaertweg 9b 2316 WZ Leiden The Netherlands TEL: +31 (0)71 7200 200 FAX: +31 (0)71 891 0019	Cell Signaling Technology, Inc. 3 Trask Lane Danvers, MA 01923 United States TEL: +1 978 867 2300 FAX: +1 978 867 2400

<b>Website</b>	www.cellsignal.com
<b>E-mail Address</b>	info@cellsignal.eu

### 1.4. Emergency telephone number

**CHEMTREC** 24 hours a day, 7 days a week, 365 days a year  
 +1 703 527 3887 (INTERNATIONAL) +1 800 424 9300 (NORTH AMERICA)

<b>Europe</b>	112
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

**Signal word**

None.

**Hazard statement(s)**

None.

**Precautionary statement(s)**

None.

### 2.3. Other hazards

No information available.

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

## SECTION 3. Composition/information on ingredients

**Kit Component**

59713: USER Enzyme

Chemical name	CAS No	Weight-%	EC No	Classification (1272/2008)	REACH Registration Number
glycerol	56-81-5	30-60	200-289-5	-	no data available

**Kit Component**

42436: Adaptor for Illumina  
 12078: Universal PCR Primer for Illumina  
 28248: Index 1 Primer for Illumina  
 41836: Index 2 Primer for Illumina  
 64036: Index 3 Primer for Illumina  
 83765: Index 4 Primer for Illumina  
 18392: Index 5 Primer for Illumina  
 27180: Index 6 Primer for Illumina  
 43985: Index 7 Primer for Illumina  
 68962: Index 8 Primer for Illumina  
 83219: Index 9 Primer for Illumina  
 90275: Index 10 Primer for Illumina  
 28019: Index 11 Primer for Illumina  
 39090: Index 12 Primer for Illumina

These products do not contain substances at concentrations requiring disclosure under (EC) No. 1907/2006 (REACH).

*For the full text of the H-phrases & EUH-phrases mentioned in this Section, see Section 16*

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

## 29580 Multiplex Oligos for Illumina(Single Index Primers) (ChIP-seq, CUT&RUN)

<b>General advice</b>	Use first aid treatment according to the nature of the injury. When symptoms persist or in all cases of doubt seek medical advice.
<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.

### **4.2. Most important symptoms and effects, both acute and delayed**

Irritation. Redness. Drowsiness. Dizziness.

### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available.

### **5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors.

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Evacuate personnel to safe areas. Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.
<b>Other information</b>	Wear personal protective equipment.

### **6.2. Environmental precautions**

Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

### **6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### **6.4. Reference to other sections**

See Sections 8 & 13 for additional information.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

## 29580 Multiplex Oligos for Illumina(Single Index Primers) (ChIP-seq, CUT&RUN)

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in original container.

### 7.3. Specific end use(s)

Use as a laboratory reagent.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Chemical name	European Union	United Kingdom	France	Spain	Germany
glycerol		STEL 30 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>	Ceiling / Peak: 400 mg/m <sup>3</sup> TWA: 200 mg/m <sup>3</sup>
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
glycerol		TWA 10 mg/m <sup>3</sup>		TWA 20 mg/m <sup>3</sup>	
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
glycerol		SS-C** TWA 50 mg/m <sup>3</sup> STEL 100 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>		TWA 10 mg/m <sup>3</sup> STEL 30 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### Appropriate engineering controls

Showers. Eyewash stations.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Safety glasses with side-shields

##### Skin protection

Wear protective gloves and protective clothing

##### Hand protection

Impervious gloves.

##### Other

Wear suitable protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental Exposure Controls

No information available.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Information on the known physical chemical properties of each component within Kit are given below. If not included, information is either not available or not applicable. Refer to individual kit component SDS for further information.

#### Kit Component

Physical state

Appearance

Odor

#### 59713: USER Enzyme

Liquid

Colorless

Mild

#### Kit Component

Physical state

Appearance

Odor

#### 42436: Adaptor for Illumina

Liquid

Colorless

Odorless

<b>Kit Component</b>	<b>28248: Index 1 Primer for Illumina</b> <b>64036: Index 3 Primer for Illumina</b> <b>83765: Index 4 Primer for Illumina</b> <b>18392: Index 5 Primer for Illumina</b> <b>27180: Index 6 Primer for Illumina</b> <b>43985: Index 7 Primer for Illumina</b> <b>68962: Index 8 Primer for Illumina</b> <b>83219: Index 9 Primer for Illumina</b> <b>90275: Index 10 Primer for Illumina</b> <b>28019: Index 11 Primer for Illumina</b> <b>39090: Index 12 Primer for Illumina</b>
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Physical state	Liquid
Appearance	Colorless
Color	Clear
Odor	Mild

<b>Kit Component</b>	<b>12078: Universal PCR Primer for Illumina</b>
Physical state	Liquid
Appearance	Colorless

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No information available.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous reactions</b>	Can react briskly with oxidizers - danger of explosion.

### **10.4. Conditions to avoid**

Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

### **10.5. Incompatible materials**

Strong oxidizing agents.

### **10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Product Information**

This material should only be handled by, or under the close supervision of, those properly qualified in the handling and use of potentially hazardous chemicals. It should be borne in mind that the toxicological and physiological properties of this compound is not well defined.

#### **Component Information**

## 29580 Multiplex Oligos for Illumina(Single Index Primers) (ChIP-seq, CUT&RUN)

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
glycerol	= 12600 mg/kg (Rat)	> 10 g/kg ( Rabbit )	> 570 mg/m <sup>3</sup> ( Rat ) 1 h

### Information on likely routes of exposure

<b>Inhalation</b>	Avoid breathing vapors or mists May cause irritation of respiratory tract
<b>Eye contact</b>	May cause slight irritation
<b>Skin contact</b>	Prolonged contact may cause redness and irritation Repeated exposure may cause skin dryness or cracking
<b>Ingestion</b>	May cause drowsiness and dizziness Ingestion causes burns of the upper digestive and respiratory tract.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Symptoms</b>	Irritation Redness Drowsiness Dizziness
<b>Skin and Eye Corrosion/Irritation</b>	No information available
<b>Sensitization</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Carcinogenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available.
<b>Systemic Target Organ Toxicity (STOT)</b>	No information available
<b>Aspiration Hazard</b>	No information available.

### 11.2. Information on other hazards

<b>Other adverse effects</b>	No information available.
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## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Product Information</b>	No information available
<b>Component Information</b>	No information available

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
glycerol	-	LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h	EC50 500 mg/L (Daphnia magna) 24 h

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

Chemical name	Octanol-Water Partition Coefficient
glycerol	-1.76

#### **12.4. Mobility in soil**

No information available.

#### **12.5. Results of PBT and vPvB assessment**

No information available.

#### **12.6. Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors

#### **12.7. Other adverse effects**

No information available

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

### **SECTION 14: Transport information**

#### **IMDG/IMO**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not regulated

#### **ADR/RID**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None

#### **IATA**

<b>14.1 UN number</b>	Not regulated
<b>14.2 UN proper shipping name</b>	Not regulated
<b>14.3 Transport hazard class(es)</b>	Not regulated
<b>14.4 Packing group</b>	Not regulated
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None

### **SECTION 15: Regulatory information**

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

**Candidate List of Substances of Very High Concern for Authorization Information**

This product does not contain Substances of Very High Concern (SVHC).

**SEVESO Directive Information**

This product does not contain substances identified in the SEVESO Directive.

**International inventories**

<b>TSCA 8(b)</b>	TSCA 8(b)
<b>DSL/NDSL</b>	DSL/NDSL
<b>EINECS/ELINCS</b>	EINECS/ELINCS
<b>ENCS</b>	ENCS
<b>IECSC</b>	IECSC
<b>KECL</b>	KECL
<b>PICCS</b>	PICCS
<b>AICS</b>	AICS

**International inventories legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out

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**SECTION 16: Other information**

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**Full text of H-Statements referred to under Sections 2 and 3**

This substance/mixture does not meet the criteria for classification in accordance with Regulation (EC) No. 1272/2008

**Classification procedure:** Expert judgment and weight of evidence determination.  
**Issuing Date:** 2017-10-24  
**Revision Date:** 2023-01-11

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.