

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

Issuing Date: 2017-10-24

Revision Date: 2023-01-13

Version: 3

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

1.1. Product identifier

Product No	47538
Product name	Multiplex Oligos for Illumina (Dual Index Primers) (ChIP-seq, CUT&RUN)
Kit Component	59713: USER Enzyme 42436: Adaptor for Illumina 86676: Index 501 Primer for Illumina 92596: Index 502 Primer for Illumina 29576: Index 503 Primer for Illumina 46325: Index 504 Primer for Illumina 67343: Index 505 Primer for Illumina 89663: Index 506 Primer for Illumina 27649: Index 507 Primer for Illumina 40566: Index 508 Primer for Illumina 60797: Index 701 Primer for Illumina 79999: Index 702 Primer for Illumina 18697: Index 703 Primer for Illumina 26125: Index 704 Primer for Illumina 39467: Index 705 Primer for Illumina 51808: Index 706 Primer for Illumina 58724: Index 707 Primer for Illumina 65787: Index 708 Primer for Illumina 75272: Index 709 Primer for Illumina 99422: Index 710 Primer for Illumina 10812: Index 711 Primer for Illumina 38569: Index 712 Primer for Illumina

Contains

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

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

Identified uses	For research use only
------------------------	-----------------------

1.3. Details of the supplier of the safety data sheet

Importer	Manufacturer
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

Website	www.cellsignal.com
----------------	--

47538 Multiplex Oligos for Illumina (Dual Index Primers) (ChIP-seq, CUT&RUN)

E-mail Address 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)

Europe 112

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
86676: Index 501 Primer for Illumina
92596: Index 502 Primer for Illumina
29576: Index 503 Primer for Illumina
46325: Index 504 Primer for Illumina
67343: Index 505 Primer for Illumina
89663: Index 506 Primer for Illumina
27649: Index 507 Primer for Illumina
40566: Index 508 Primer for Illumina
60797: Index 701 Primer for Illumina
79999: Index 702 Primer for Illumina
18697: Index 703 Primer for Illumina
26125: Index 704 Primer for Illumina
39467: Index 705 Primer for Illumina
51808: Index 706 Primer for Illumina
58724: Index 707 Primer for Illumina

47538 Multiplex Oligos for Illumina (Dual Index Primers) (ChIP-seq, CUT&RUN)

65787: Index 708 Primer for Illumina
75272: Index 709 Primer for Illumina
99422: Index 710 Primer for Illumina
10812: Index 711 Primer for Illumina
38569: Index 712 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

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

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	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

For non-emergency personnel	Evacuate personnel to safe areas. Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.
Other information	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

Methods for containment Prevent further leakage or spillage if safe to do so.
Methods for cleaning up 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

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 ³ TWA 10 mg/m ³	TWA 10 mg/m ³	TWA 10 mg/m ³	Ceiling / Peak: 400 mg/m ³ TWA: 200 mg/m ³
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
glycerol		TWA 10 mg/m ³		TWA 20 mg/m ³	
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
glycerol		SS-C** TWA 50 mg/m ³ STEL 100 mg/m ³	TWA 10 mg/m ³		TWA 10 mg/m ³ STEL 30 mg/m ³

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

47538 Multiplex Oligos for Illumina (Dual Index Primers) (ChIP-seq, CUT&RUN)

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	59713: USER Enzyme
Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	Odorless

Kit Component	42436: Adaptor for Illumina
Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	Odorless

Kit Component	86676: Index 501 Primer for Illumina
	92596: Index 502 Primer for Illumina
	29576: Index 503 Primer for Illumina
	67343: Index 505 Primer for Illumina
	46325: Index 504 Primer for Illumina
	89663: Index 506 Primer for Illumina
	27649: Index 507 Primer for Illumina
	40566: Index 508 Primer for Illumina
	60797: Index 701 Primer for Illumina
	79999: Index 702 Primer for Illumina
	18697: Index 703 Primer for Illumina
	26125: Index 704 Primer for Illumina
	39467: Index 705 Primer for Illumina
	51808: Index 706 Primer for Illumina
	58724: Index 707 Primer for Illumina
	65787: Index 708 Primer for Illumina
	99422: Index 710 Primer for Illumina
	10812: Index 711 Primer for Illumina
	38569: Index 712 Primer for Illumina
Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	Odorless

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

Hazardous polymerization
Hazardous reactions

Hazardous polymerization does not occur.
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 (CO₂).

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

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

Information on likely routes of exposure

Inhalation	Avoid breathing vapors or mists May cause irritation of respiratory tract
Eye contact	May cause slight irritation
Skin contact	Prolonged contact may cause redness and irritation Repeated exposure may cause skin dryness or cracking
Ingestion	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

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

11.2. Information on other hazards

Other adverse effects	No information available.
------------------------------	---------------------------

SECTION 12: Ecological information

12.1. Toxicity

Product Information No information available

Component Information 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

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG/IMO

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

according to IMO instruments

ADR/RID

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

IATA

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

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

SECTION 16: Other information

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

47538 Multiplex Oligos for Illumina (Dual Index Primers) (ChIP-seq, CUT&RUN)

Classification procedure: Expert judgment and weight of evidence determination.

Issuing Date: 2017-10-24

Revision Date: 2023-01-13

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.