

## Human T Cell Activation Cell and Cytokine Profiling Kit, cat. no. 90560 - 90563

|         |                |              |                                 |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number:  | Date of last issue: 21.10.2019  |
| 1.1     | 06.12.2019     | SAG-R0002049 | Date of first issue: 21.10.2019 |

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

#### 1.1 Product identifier

Trade name : Human T Cell Activation Cell and Cytokine Profiling Kit, cat. no. 90560 - 90563  
Substance name : Human T Cell Activation Cell and Cytokine Profiling Kit, cat. no. 90560 - 90563

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

#### 1.3 Details of the supplier of the safety data sheet

Company : Sartorius Lab Instruments GmbH & Co.KG  
Otto-Brenner-Straße 20  
37079 Göttingen

E-mail address of person responsible for the SDS : Department CA-FM Environment@sartorius.com

#### 1.4 Emergency telephone number

UK/Europe/Global: +44.1865.407.333 (Sartorius 29003)  
United States: +1.866.928.0789 (Toll free), (Sartorius 29003)  
Canada: +1.800.579.7421 (Toll free), (Sartorius 29003)  
United States & Canada (geographic): +1.202.464.2554 (Sartorius 29003)  
Asia-Pacific/East & South East Asia (without China): +65.3158.1074 (Sartorius 29003)  
Japan: +81.3.4578.9341 (Sartorius 29003)  
Indonesia: 007.803.011.0293 (Toll free Indonesia), (Sartorius 29003)  
Malaysia: +60.3.6207.4347 (Sartorius 29003)  
Thailand: 001.800.120.666.751 (Toll free Thailand), (Sartorius 29003)  
India: 000.800.100.7479 (Toll free India) or +65.3158.1198 (Sartorius 29003)  
South Korea: +82.2.3479.8401 (Sartorius 29003)  
Australia: +61.2.8014.4558 (Sartorius 29003)  
New Zealand: +64.9.929.1483 (Sartorius 29003)  
Middle East/Africa: +44.1235.239671 (Sartorius 29003)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

|                            |                                    |
|----------------------------|------------------------------------|
| Acute toxicity, Category 4 | H302: Harmful if swallowed.        |
| Eye irritation             | H316: Causes mild skin irritation. |
| Skin irritation            | H320: Causes eye irritation.       |

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### Classification (67/548/EEC, 1999/45/EC)

Harmful

R22: Harmful if swallowed.

R37: Irritating to respiratory system.

R38: Irritating to skin.

### 2.2 Label elements

#### Labelling REGULATION (EC) No 1272/2008

Hazard pictograms :



Signal word : Warning

Hazard statements : H302 Harmful if swallowed.  
H316 Causes mild skin irritation.  
H320 Causes eye irritation.

Precautionary statements : **Prevention:**  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
**Response:**  
P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/.? if you feel unwell.  
P330 Rinse mouth.

### 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Reagents kit: T-Cell Ab Detection, T-Cell Q Bead Capture, T-Cell Cytokine Detection, T-Cell Cytokine Standard, Component (B/Green) proliferation dye, Component(R/Red) membrane integrity dye, Wash Buffer

#### Hazardous components

| CAS-No.<br>EC-No. | Chemical name | Classification<br>(67/548/EEC) | Classification<br>(REGULATION) | Concentration<br>(%) |
|-------------------|---------------|--------------------------------|--------------------------------|----------------------|
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| Registration number |  |                      | (EC) No<br>1272/2008)   |         |
|---------------------|--|----------------------|---|---------|
| 9048-46-8           | Bovine Serum Albumin (BSA)<br>232-936-2  | Xn; R22              | Acute Tox. 4; H302  | <= 0,01 |
| 26628-22-8          | Sodium azide<br>247-852-1  | T+; R28<br>N; R50/53 | Acute Tox. 2; H300<br>Acute Tox. 2; H310<br>STOT RE 2; H373<br>Aquatic Acute 1;<br>H410<br>Aquatic Chronic 1;<br>H410 | <= 0,1  |
| 67-68-5             | Dimethyl sulfoxide<br>200-664-3  |                      |   | <= 99   |
| 7647-14-5           | Sodium Chloride<br>231-598-3   |                      |   | <= 5    |
| 157199-62-7         | Quinolinium, 4-[3-(3-methyl-2(3H)-benzoxazolylidene)-1-propenyl]-1-[3-(trimethylammonio)propyl]-, diiodide |                      |   | <= 0,1  |

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Fresh Air. If disease continues, please contact a medical expert.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

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

None known.

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

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray jet  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)

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

### 5.3 Advice for firefighters

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
The product itself does not burn.

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## SECTION 6: Accidental release measures

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

Personal precautions : No special precautions required.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.

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

Methods for cleaning up : Pick up and transfer to properly labelled containers.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Hygiene measures : Do not smoke. When using do not eat or drink.

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

Requirements for storage areas and containers : Keep in a dry, cool place.

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### 7.3 Specific end use(s)

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

none

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Goggles

Hand protection

Material : Nitrile rubber

Skin and body protection : Lab coat

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : Aqueous solution

Colour : colourless

Odour : characteristic

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

### 10.2 Chemical stability

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.  
No decomposition if stored and applied as directed.

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### 10.4 Conditions to avoid

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Components:

##### **67-68-5:**

Acute oral toxicity : LD50 Oral (Rat): 14.500 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): 50.000 mg/kg

#### Further information

##### Product:

Remarks: Health injuries are not known or expected under normal use.

##### Components:

##### **7647-14-5:**

Remarks: Health injuries are not known or expected under normal use.

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## SECTION 12: Ecological information

### 12.1 Toxicity

##### Components:

##### **67-68-5:**

Toxicity to fish : (Fish): 36.200 mg/l  
Exposure time: 96 h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

##### Product:

Bioaccumulation : Remarks: Not applicable

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### 12.4 Mobility in soil

**Product:**

Mobility : Remarks: Not applicable

Stability in soil : Remarks: Not applicable

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : Remarks: Not applicable

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Remarks: Not applicable

**Components:**

**7647-14-5:**

Additional ecological information : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations.

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## SECTION 14: Transport information

### 14.1 UN number

### 14.2 UN proper shipping name

### 14.3 Transport hazard class(es)

### 14.4 Packing group

### 14.5 Environmental hazards

### 14.6 Special precautions for user

Remarks : Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

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

Not applicable for product as supplied.

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## **SECTION 15: Regulatory information**

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

Water contaminating class : WGK 1 slightly hazardous to water  
(Germany)

### **15.2 Chemical safety assessment**

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## **SECTION 16: Other information**

### **Full text of R-Phrases**

R22 : Also harmful if swallowed.  
R28 : Very toxic if swallowed.  
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **Full text of H-Statements**

H300 : Fatal if swallowed.  
H302 : Harmful if swallowed.  
H310 : Fatal in contact with skin.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H410 : Very toxic to aquatic life with long lasting effects.

### **Full text of other abbreviations**

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
STOT RE : Specific target organ toxicity - repeated exposure

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