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## Incucyte® Cytotox Red Dye (5 vials)

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
1.5	14.07.2022	SAG-R0001813	Date of first issue: 30.03.2020

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

#### 1.1 Product identifier

Trade name : Incucyte® Cytotox Red Dye (5 vials)

Product code : 4632

Substance name : Incucyte® Cytotox Red Dye

#### 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 Corporation  
565 Johnson Avenue  
11716 Bohemia

E-mail address of person responsible for the SDS : CA-FM Department: 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

#### 2.2 Label elements

#### 2.3 Other hazards

None known.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Colour reagent

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Dimethyl sulfoxide	67-68-5			>= 99

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- If inhaled : Move to fresh air. If irritation or breathing problems persist, please contact medical personnel.
- In case of skin contact : Wash off with plenty of water.  
If symptoms persist, call a physician.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids.  
If eye irritation persists, consult a specialist.
- If swallowed : Thoroughly rinse mouth with water. After rinsing, drink large amounts of water.  
  
If symptoms persist, call a physician.

#### 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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Specific hazards during fire-fighting : No information available.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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

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## SECTION 6: Accidental release measures

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

Personal precautions : Avoid formation of aerosol.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
Should not be released into the environment.

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
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

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

### 7.3 Specific end use(s)

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

Personal protective equipment

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Eye protection	: Goggles
Hand protection	
Remarks	: butyl-rubber Nitrile rubber Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
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	: liquid
Colour	: red, dark blue
Odour	: odourless
Flash point	: 88 °C
Vapour pressure	: 4,04 hPa (50 °C)
Density	: 1,1 g/cm <sup>3</sup>

### 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 : None known.

### 10.4 Conditions to avoid

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents  
Acids and bases

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Components:

###### Dimethyl sulfoxide:

Acute oral toxicity : LD50 Oral (Rat, male and female): 28.300 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat, male and female): 5,33 mg/l  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rat, male and female): ca. 40.000 mg/kg

##### Skin corrosion/irritation

###### Components:

###### Dimethyl sulfoxide:

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Remarks: slight irritation

##### Serious eye damage/eye irritation

###### Components:

###### Dimethyl sulfoxide:

Species: Rabbit  
Exposure time: 24 h  
Method: OECD Test Guideline 405  
Remarks: slight irritation

##### Respiratory or skin sensitisation

###### Components:

###### Dimethyl sulfoxide:

Species: Mouse  
Method: OECD Test Guideline 429  
Result: Does not cause skin sensitisation.

Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

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### Germ cell mutagenicity

#### Components:

##### **Dimethyl sulfoxide:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Genotoxicity in vivo : Result: In vivo tests did not show any chromosomal changes.

Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects.

### Carcinogenicity

#### Components:

##### **Dimethyl sulfoxide:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

#### Components:

##### **Dimethyl sulfoxide:**

Effects on fertility :  
Remarks: No embryotoxic effects have been observed in animal tests.

Effects on foetal development : Remarks: This information is not available.

Reproductive toxicity - Assessment : Animal testing did not show any effects on foetal development.

### Repeated dose toxicity

#### Components:

##### **Dimethyl sulfoxide:**

Species: Monkey, male and female  
NOAEL: 2.870 mg/kg  
Application Route: Oral  
Method: OECD Test Guideline 452

Species: Rat, male and female  
2,8 mg/l  
Application Route: inhalation (dust/mist/fume)  
Method: No information available.

Species: Monkey, male and female  
NOAEL: 8.910 mg/kg  
Application Route: Dermal  
Method: OECD Test Guideline 452

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### Further information

#### Product:

Remarks: The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### Dimethyl sulfoxide:

Toxicity to fish : (Brachydanio rerio (zebrafish)): 36.200 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
GLP: yes

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

Not relevant

### 12.6 Other adverse effects

#### Product:

Additional ecological information : Remarks: In large quantities, this product may affect the functioning of waste-water treatment plants.

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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

#### 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

#### 15.2 Chemical safety assessment

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### SECTION 16: Other information

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.

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