

## Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and GHS

### SDS summary

Product category: **FluoroSpot Plus**

Product code: **FSP-01A-10, FSP-01A-2, FSP-01B-10, FSP-01B-2, FSP-02B-10, FSP-02B-2, FSP-07B-10, FSP-07B-2, FSP-21B-10, FSP-21B-2, FSP-31A-10, FSP-31A-2, FSP-41B-10, FSP-41B-2, FSP-42B-10, FSP-42B-2**

| Component                                                                | Substance/Mixture                                                                                                              | CAS No.                                       | EC No.                             | Conc.                          | Hazard pictogram code | Hazard statements                           |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|--------------------------------|-----------------------|---------------------------------------------|
| Detection antibody                                                       | Sodium azide                                                                                                                   | 26628-22-8                                    | 247-852-1                          | 0.02%                          | N/A                   | Not hazardous at this concentration         |
| Fluorophore conjugate<br>Fluorescence enhancer                           | <b>Kathon CG,</b><br>contains a mixture of:<br><br>5-chloro-2-methyl-4-isothiazolin-3-one<br><br>2-Methyl-4-isothiazolin-3-one | 55965-84-9<br><br>26172-55-4<br><br>2682-20-4 | <br><br>247-500-7<br><br>220-239-6 | <br><br><0.002%<br><br><0.002% | <br><br>N/A           | <br><br>Not hazardous at this concentration |
| Anti-CD28 antibody<br>or<br>Anti-CD3 antibody<br>&<br>Anti-CD28 antibody | N/A                                                                                                                            | N/A                                           | N/A                                | N/A                            | N/A                   | N/A                                         |
| Pre-coated plate                                                         | N/A                                                                                                                            | N/A                                           | N/A                                | N/A                            | N/A                   | N/A                                         |

If applicable, components listed in the summary above are further specified below into 16 sections according to the Regulation (EC) No 1272/2008 (CLP) and GHS.

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

### 1.1 Product identifier

Product name: **FluoroSpot Plus**  
Component: **Detection antibody**  
Substance/Mixture: **Sodium azide**

### 1.2 Relevant identified uses and uses advised against

Recommended use: **Laboratory chemical for research use only**  
Uses advised against: **No information available**

### 1.3 Supplier

**Mabtech AB**  
**Box 1233,**  
**SE 131 28 Nacka Strand, Sweden**  
**Tel: +46 8 716 27 00**  
**Email: [mabtech@mabtech.com](mailto:mabtech@mabtech.com)**

### 1.4 Emergency telephone number

**Contact your local emergency number.**

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## SECTION 2: Hazards identification

### 2.1 Classification of mixture

According to Regulation (EC) No 1272/2008 (CLP)  
**Not hazardous at this concentration.**

#### Hazard pictogram

**N/A**

#### Signal word

**N/A**

#### Precautionary statements

**N/A**

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## SECTION 3: Composition/information on ingredients

### 3.1 Description of the mixture

**Sodium azide**

### 3.2 Hazardous ingredients

| Substance    | CAS No.    | EC No.    | Conc. | Classification according to Regulation (EC) No 1272/2008 [CLP] |
|--------------|------------|-----------|-------|----------------------------------------------------------------|
| Sodium azide | 26628-22-8 | 247-852-1 | 0.02% | Not hazardous at this concentration.                           |

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Following inhalation:  
**Move into fresh air. Seek medical attention for any breathing difficulty.**
- Following skin contact:  
**Wash with soap and plenty of water. Seek medical attention if irritation persists.**

- c) Following eye contact:  
**Rinse opened eye for several minutes under running water and seek medical attention.**
- d) Following ingestion:  
**Rinse mouth with water. Seek medical attention.**

#### 4.2 Most important symptoms and effects

**No information available.**

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### **SECTION 5: Firefighting measures**

#### 5.1 General information

**Not flammable or combustible.**

#### 5.2 Extinguishing media

**No known restrictions; use any means suitable for nearby fire.**

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

**None in particular.**

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

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

**Use gloves and good hygienic practices.**

#### 6.2 Environmental precautions

**None in particular.**

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

**Use paper towels to absorb the liquid.**

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

#### 7.1 Precautions for safe handling

**None in particular.**

#### 7.2 Technical measures and storage conditions

**Store according to product specifications.**

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Exposure controls/personal protection

**None in particular.**

#### 8.2 Personal protective equipment

- |                             |                                 |
|-----------------------------|---------------------------------|
| a) Eye protection           | <b>Recommended</b>              |
| b) Hand protection          | <b>Recommended</b>              |
| c) Skin and body protection | <b>Recommended</b>              |
| d) Respiratory protection   | <b>No specific requirements</b> |
| e) Thermal hazards          | <b>No specific requirements</b> |
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### **SECTION 9: Physical and chemical properties**

## 9.1 Information on basic physical and chemical properties

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| a) Physical state at room temperature | <b>Liquid</b>                       |
| b) Appearance                         | <b>Clear</b>                        |
| c) Odour                              | <b>Minimal odour</b>                |
| d) pH                                 | <b>Not determined</b>               |
| e) Melting/freezing point             | <b>Not determined</b>               |
| f) Boiling point/range                | <b>Not determined</b>               |
| g) Flash point                        | <b>Not determined</b>               |
| h) Evaporation rate                   | <b>Not determined</b>               |
| i) Flammability (solid, gas)          | <b>Not determined</b>               |
| j) Flammability in air                | <b>Not determined</b>               |
| a) Upper flammability limit           | <b>Not determined</b>               |
| b) Lower flammability limit           | <b>Not determined</b>               |
| k) Vapour pressure                    | <b>Not determined</b>               |
| l) Vapour density                     | <b>Not determined</b>               |
| m) Relative density                   | <b>Not determined</b>               |
| n) Water solubility                   | <b>Soluble</b>                      |
| o) Solubility in other solvents       | <b>Not determined</b>               |
| p) Auto-ignition temperature          | <b>Product is not self-igniting</b> |
| q) Decomposition temperature          | <b>Not determined</b>               |
| r) Viscosity, kinematic               | <b>Not determined</b>               |
| s) Explosive properties               | <b>Not determined</b>               |

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## SECTION 10: Stability and reactivity

### 10.1 Chemical stability

**Stable under recommended use and storage conditions.**

### 10.2 Possibility of hazardous reactions

**The sodium azide concentration (0.02%) provided in this product, although not classified as hazardous, can lead to concentration build-ups that may react with lead and copper plumbing to form explosion.**

### 10.3 Conditions to avoid

**Elevated temperature.**

### 10.4 Incompatible materials

**Heavy metals like copper and lead.**

### 10.5 Hazardous decomposition products

**Not determined.**

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- a) Acute toxicity:  
**No toxic effects.**
- b) Skin corrosion/irritation:  
**No effects.**
- c) Eye damage/irritation:  
**No effects.**
- d) Sensitization to the respiratory tract/skin:  
**No effects.**
- e) Carcinogenicity:  
**No information available.**

- f) Reproductive toxicity:  
**No information available.**
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## SECTION 12: Ecological information

### 12.1 Toxicity

- a) Aquatic toxicity:  
**Not determined.**
- b) Sediment toxicity:  
**Not determined.**
- c) Terrestrial toxicity:  
**Not determined.**

### 12.2 Persistence and degradability

**Not determined.**

### 12.3 Bioaccumulative potential

**Not determined.**

### 12.4 Mobility in soil

**Not determined.**

### 12.5 Results of PBT and vPvB assessment

**Not determined.**

### 12.6 Other adverse effects

**No further relevant information available.**

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- a) Waste from residues or unused products:  
**Dispose the non-hazardous waste according to local regulations. Flush drain extensively.**
- b) Packaging:  
**Empty container is not considered as hazardous waste.**
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## SECTION 14: Transport information

### 14.1 Transport hazard classes

- a) ADR:  
**This product does not require a classification for transport.**
- b) IATA:  
**This product does not require a classification for transport.**
- c) DOT:  
**This product does not require a classification for transport.**
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## SECTION 15: Regulatory information

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

**No information available.**

### 15.2 Chemical safety assessment

**No information available.**

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## SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The product is supplied for research use only. Mabtech shall not be liable for the use or handling of the product or for consequential, special, indirect or incidental damage therefrom.

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

### 1.1 Product identifier

Product name: **FluoroSpot Plus**  
Component: **Fluorophore conjugate, Fluorescence enhancer**  
Substance/Mixture: **Kathon CG**

### 1.2 Relevant identified uses and uses advised against

Recommended use: **Laboratory chemical for research use only**  
Uses advised against: **No information available**

### 1.3 Supplier

**Mabtech AB**  
**Box 1233,**  
**SE 131 28 Nacka Strand, Sweden**  
**Tel: +46 8 716 27 00**  
**Email: [mabtech@mabtech.com](mailto:mabtech@mabtech.com)**

### 1.4 Emergency telephone number

**Contact your local emergency number.**

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## SECTION 2: Hazards identification

### 2.1 Classification of mixture

According to Regulation (EC) No 1272/2008 (CLP)  
**Not hazardous at this concentration.**

#### Hazard pictogram

**N/A**

#### Signal word

**N/A**

#### Precautionary statements

**N/A**

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## SECTION 3: Composition/information on ingredients

### 3.1 Description of the mixture

**Kathon CG contains a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-4-isothiazolin-3-one.**

### 3.2 Hazardous ingredients

| Substance                              | CAS No.    | EC No.    | Conc.   | Classification according to Regulation (EC) No 1272/2008 [CLP] |
|----------------------------------------|------------|-----------|---------|----------------------------------------------------------------|
| 5-chloro-2-methyl-4-isothiazolin-3-one | 26172-55-4 | 247-500-7 | <0.002% | Not hazardous at this concentration.                           |
| 2-Methyl-4-isothiazolin-3-one          | 2682-20-4  | 220-239-6 | <0.002% |                                                                |

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- a) Following inhalation:  
**Move into fresh air. Seek medical attention for any breathing difficulty.**
- b) Following skin contact:  
**Wash with soap and plenty of water. Seek medical attention if irritation persists.**
- c) Following eye contact:  
**Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical attention if irritation persists.**
- d) Following ingestion:  
**Do not induce vomiting. Rinse mouth with water. Seek medical attention.**

#### 4.2 Most important symptoms and effects

**No information available.**

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### **SECTION 5: Firefighting measures**

#### 5.1 General information

**Not flammable or combustible.**

#### 5.2 Extinguishing media

**No known restrictions; use any means suitable for nearby fire.**

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

**None in particular.**

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

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

**Use gloves and good hygienic practices.**

#### 6.2 Environmental precautions

**None in particular.**

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

**Use paper towels to absorb the liquid.**

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

#### 7.1 Precautions for safe handling

**None in particular.**

#### 7.2 Technical measures and storage conditions

**Store according to product specifications.**

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### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Exposure controls/personal protection

**None in particular.**

#### 8.2 Personal protective equipment

- |                             |                    |
|-----------------------------|--------------------|
| a) Eye protection           | <b>Recommended</b> |
| b) Hand protection          | <b>Recommended</b> |
| c) Skin and body protection | <b>Recommended</b> |



- d) Respiratory protection
- e) Thermal hazards

**No specific requirements**

**No specific requirements**

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## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| a) Physical state at room temperature | <b>Liquid</b>                                 |
| b) Appearance                         | <b>Clear</b>                                  |
| c) Odour                              | <b>Minimal odour</b>                          |
| d) pH                                 | <b>Not determined</b>                         |
| e) Melting/freezing point             | <b>Not determined</b>                         |
| f) Boiling point/range                | <b>Not determined</b>                         |
| g) Flash point                        | <b>Not determined</b>                         |
| h) Evaporation rate                   | <b>Not determined</b>                         |
| i) Flammability (solid, gas)          | <b>Not determined</b>                         |
| j) Flammability in air                | <b>Not determined</b>                         |
| a) Upper flammability limit           | <b>Not determined</b>                         |
| b) Lower flammability limit           | <b>Not determined</b>                         |
| k) Vapour pressure                    | <b>Not determined</b>                         |
| l) Vapour density                     | <b>Not determined</b>                         |
| m) Relative density                   | <b>Not determined</b>                         |
| n) Water solubility                   | <b>Soluble</b>                                |
| o) Solubility in other solvents       | <b>Not determined</b>                         |
| p) Auto-ignition temperature          | <b>Substance/Mixture is not self-igniting</b> |
| q) Decomposition temperature          | <b>Not determined</b>                         |
| r) Viscosity, kinematic               | <b>Not determined</b>                         |
| s) Explosive properties               | <b>Not determined</b>                         |

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

### 10.1 Chemical stability

**Stable under recommended use and storage conditions.**

### 10.2 Possibility of hazardous reactions

**No known hazardous reactions.**

### 10.3 Conditions to avoid

**Elevated temperature.**

### 10.4 Incompatible materials

**Oxidizing and reducing agents, amines and mercaptans.**

### 10.5 Hazardous decomposition products

**Not determined.**

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## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

- a) Acute toxicity:  
**Not determined.**
- b) Skin corrosion/irritation:  
**Not determined.**
- c) Eye damage/irritation:  
**Not determined.**

- d) Sensitization to the respiratory tract/skin:  
**Not determined.**
  - e) Carcinogenicity:  
**No information available.**
  - f) Reproductive toxicity:  
**No information available.**
- 

## SECTION 12: Ecological information

### 12.1 Toxicity

- a) Aquatic toxicity:  
**Not determined.**
- b) Sediment toxicity:  
**Not determined.**
- c) Terrestrial toxicity:  
**Not determined.**

### 12.2 Persistence and degradability

**Not determined.**

### 12.3 Bioaccumulative potential

**Not determined.**

### 12.4 Mobility in soil

**Not determined.**

### 12.5 Results of PBT and vPvB assessment

**Not determined.**

### 12.6 Other adverse effects

**Not determined.**

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

- a) Waste from residues or unused products:  
**Dispose the non-hazardous waste according to local regulations.**
  - b) Packaging:  
**Empty container is not considered as hazardous waste.**
- 

## SECTION 14: Transport information

### 14.1 Transport hazard classes

- a) ADR:  
**This product does not require a classification for transport.**
  - b) IATA:  
**This product does not require a classification for transport.**
  - c) DOT:  
**This product does not require a classification for transport.**
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## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
**No information available.**

### 15.2 Chemical safety assessment

**No information available.**

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**SECTION 16: Other information**

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**END of SDS**