

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: **Fluorescein Calibrator**

Part Number: 001469

Manufacturer/Supplier: Chai Biotechnologies
3206 Scott Blvd
Santa Clara, CA 95054

Phone: (650) 779-5577

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

2. HAZARD IDENTIFICATION

| | Description | Ref. |
|---|---|--------------------------------------|
| A | Classification of the substance or mixture | Not a hazardous substance or mixture |
| B | GHS Label elements, including precautionary statements | Not a hazardous substance or mixture |
| C | Hazards not otherwise classified (HNOC) or not covered by GHS | None |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS No. | Weight % |
|-----------------------------------|-----------|----------|
| Fluorescein sodium salt | 518-47-8 | <1% |
| Water | 7732-18-5 | 95-97% |
| Tris (hydroxymethyl) aminomethane | 77-86-1 | <2% |

4. FIRST AID MEASURES

| | | |
|---|--------------------|--|
| A | Skin Contact | Wash off immediately with plenty of water. If symptoms occur, obtain medical advice. |
| B | Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary. |
| C | Ingestion | Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice. |
| D | Inhalation | Move person to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. |
| E | Notes to Physician | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

| | | |
|---|----------------------|--|
| A | Extinguishing method | Ordinary extinguishing procedures can be used in case of fire. |
| B | Extinguishing agent | Water, powder, CO2, or bubble foam can be used. |
| C | Extinguishing media | No prohibited media. |

6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---------------------------|--|
| A | Personal precautions | Avoid breathing vapors, mist or gas. Use personal protection equipment. |
| B | Environmental precautions | Prevent product from entering drains. |
| C | Methods for cleaning up | Methods for cleaning up: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. |

7. HANDLING AND STORAGE

| | | |
|---|----------|--|
| A | Handling | Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment. |
| B | Storage | Store protected from light and in properly labeled containers. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

| | | |
|---|-------------------------------|--|
| A | Substance | Fluorescein calibrator solution |
| B | Control parameter | Prevent product from entering drains. |
| C | Personal protective equipment | Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Respiratory protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Eye protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | Fluorescein Calibrator Solution |
|--|---------------------------------|
| Appearance (physical state, color etc.) | Light yellow liquid |
| Odor | No information available |
| Odor threshold | No information available |
| pH | 8 |
| Melting point/freezing point | No information available |
| Initial boiling point and boiling range | No information available |
| Flash point | No information available |
| Evaporation rate | No information available |
| Flammability | No information available |
| Upper/lower flammability or explosive limits | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Solubility | No information available |
| Partition Coefficient | No information available |
| Relative Density | No information available |
| Auto-ignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity | No information available |

10. STABILITY AND REACTIVITY

| | Fluorescein Calibrator Solution |
|---|---|
| Chemical stability | Stable under recommended storage conditions |
| Possibility of hazardous reactions | No Information available |
| Conditions to avoid (e.g. static discharge, shock or vibration) | Strong Oxidizing agents |
| Incompatible materials | No Information available |
| Hazardous decomposition products | No Information available |

11. STABILITY AND REACTIVITY

| | Fluorescein Calibrator Solution |
|--|---------------------------------|
| Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact) | No Information available |
| Symptoms related to the physical, chemical and toxicological characteristics | No Information available |
| Delayed and immediate effects and also chronic effects from short and long term exposure | No Information available |
| Numerical measures of toxicity (such as acute toxicity estimates) | No Information available |

Acute Toxicity for Component Information

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------------------------|------------------|-------------|-----------------|
| Tris (hydroxymethyl) aminomethane | 5900 mg/kg (Rat) | Not listed | Not listed |

12. ECOLOGICAL INFORMATION

| | Fluorescein Calibrator Solution |
|--|---------------------------------|
| Ecotoxicity (aquatic and terrestrial, where available) | Do not empty into drains |
| Persistence and degradability | No Information available |
| Bioaccumulative potential | No Information available |
| Mobility in the soil | No Information available |
| Other adverse effects | No Information available |

13. DISPOSAL INFORMATION

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

| | | |
|---|---|---|
| A | UN number | None |
| B | UN proper shipping name | No dangerous good in sense of these transport regulations |
| C | Transport hazard class | None |
| D | Packing group | None |
| E | Environmental hazards (e.g.: Marine pollutant) | None |
| F | Special precautions for user | None |

15. REGULATORY INFORMATION

| | | |
|---|----------------------|---|
| A | SARA 302 Components | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
| B | SARA 313 Components | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| C | SARA 311/312 Hazards | Acute health hazard |

16. OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

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