Material Safety Data Sheet

Date produced: 17.07.2014; Date updated: 17.07.2016

Section 1 – Product and Company Information

Product Name: SiR-actin kit  
Product No.: SC001  
Use: Fluorescent probe for microscopy  
Company: Spirochrome AG  
Postfach 213  
CH-8620 Stein am Rhein  
Switzerland  
Technical Phone: +41 52 741 14 45  
E-Mail Address: info@spirochrome.com  
Emergency telephone: +41 44 251 51 51 (Swiss Toxicological Information Centre)

Section 2 – Hazards Identification

SIGNAL WORD
Not hazardous

HEALTH HAZARDS
Not hazardous

PHYSICAL HAZARDS
Not hazardous

POTENTIAL HEALTH EFFECTS
Eyes: May cause eye irritation  
Skin: May cause skin irritation  
Inhalation: May be harmful by inhalation  
Ingestion: May be harmful by ingestion

SPECIFIC EFFECTS
Carcinogenic effects: no data available  
Mutagenic effects: no data available  
Reproductive toxicity: no data available  
Sensitization: no data available  
Target organ effects: no data available

Section 3 – Composition/Information on Ingredients

Product Name: SiR-actin  
CAS #: 1640283-36-8  
Index No.: none  
Weight %: 90-100

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.
Section 4 – First Aid Measures

AFTER INHALATION
If inhaled, remove to fresh air. If symptoms persist, call a physician. If not breathing give artificial respiration.

AFTER SKIN CONTACT
In case of skin contact, rinse with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. If symptoms arise, call a physician.

AFTER EYE CONTACT
In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION
If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting without medical advice. Call a physician.

Section 5 – Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA
Water spray. Carbon dioxide (CO2). Foam. Dry chemical

SPECIAL PROTECTIVE EQUIPMENT OF FIREFIGHTERS
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 – Additional Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Use personal protective equipment

METHODS FOR CLEANING UP
Take up mechanically and collect in suitable container for disposal.

Section 7 – Handling and Storage

HANDLING
Always wear recommended Personal Protective Equipment. No special handling advice required.

STORAGE
Keep in a dry, cool, dark and well-ventilated place.

Section 8 – Exposure Controls / Personal Protection

EXPOSURE LIMITS
We are not aware of any national exposure limit.

ENGINEERING CONTROLS
Safety shower and eye bath. Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory Protection In case of insufficient ventilation wear suitable respiratory
Hand Protection  Compatible chemical-resistant gloves.
Eye Protection  Chemical safety goggles with side-shields.
Hygiene measures  Handle in accordance with good industrial hygiene and safety practice.

ENVIRONMENTAL EXPOSURE CONTROLS
Prevent product from entering the drains

Section 9 – Physical and Chemical Properties

GENERAL INFORMATION
Form  solid
Appearance  blue to colorless solid
Odor  no information available
Boiling point/range  no data available
Melting point/range  no data available
Flash point  no data available
Autoignition temperature  no data available
Oxidizing properties  no information available
Water solubility  no data available
Solubility  DMSO, methanol

Section 10 – Stability and Reactivity

STABILITY
Stable under normal conditions

MATERIALS TO AVOID
No dangerous reaction known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCTS
None under normal use

HAZARDOUS POLYMERIZATION
Hazardous Polymerization does not occur

Section 11 – Toxicological Information

ACUTE TOXICITY
Sir-actin  not Hazardous
LD50 (oral, rat/mouse)  no data available
LD50 (dermal, rat/rabbit)  no data available
LD50 (inhalation, rat/mouse)  no data available

PRINCIPAL ROUTES OF EXPOSURE / POTENTIAL HEALTH EFFECTS
Eyes  May cause eye irritation
Skin  May cause skin irritation
Inhalation  May be harmful by inhalation
Ingestion  May be harmful by ingestion
Carcinogenic effects  no data available
Mutagenic effects  no data available
Reproductive toxicity  no data available
Sensitization  no data available  
Target organ effects  no data available

**Section 12 – Ecological Information**

Ecotoxicity effects  no information available  
Mobility  no information available  
Biodegradation  no information available  
Biodegradation  no information available

**Section 13 – Disposal Considerations**

Observe all local environmental regulations.

**Section 14 – Transport Information**

RID/ADR  Non-hazardous for road transport  
IMDG  Non-hazardous for sea transport  
IATA  Non-hazardous for air transport

**Section 15 – Regulatory Information**

Chemical safety assessment  A Chemical Safety Assessment has not been carried out.

**Section 16 – OTHER INFORMATION**

**WARRANTY**
The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

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End of material safety data sheet
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Section 1 – Product and Company Information

Product Name: SiR-tubulin  
Product No.: SC002  
Use: Fluorescent probe for microscopy  
Company: Spirochrome AG  
Postfach 213  
CH-8620 Stein am Rhein  
Switzerland  
Technical Phone: +41 52 741 14 45  
E-Mail Address: info@spirochrome.com  
Emergency telephone: +41 44 251 51 51 (Swiss Toxicological Information Centre)

Section 2 – Hazards Identification

SIGNAL WORD  
Not hazardous

HEALTH HAZARDS  
Not hazardous

PHYSICAL HAZARDS  
Not hazardous

POTENTIAL HEALTH EFFECTS

Eyes: May cause eye irritation  
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Inhalation: May be harmful by inhalation  
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SPECIFIC EFFECTS

Carcinogenic effects: no data available  
Mutagenic effects: no data available  
Reproductive toxicity: no data available  
Sensitization: no data available  
Target organ effects: no data available

Section 3 – Composition/Information on Ingredients

Product Name: SiR-tubulin  
CAS #: none  
Index No.: none  
Weight %: 90-100

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.
Section 4 – First aid Measures

AFTER INHALATION
If inhaled, remove to fresh air. If symptoms persist, call a physician. If not breathing give artificial respiration.

AFTER SKIN CONTACT
In case of skin contact, rinse with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. If symptoms arise, call a physician.

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In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION
If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting without medical advice. Call a physician.

Section 5 – Fire Fighting Measures

SUITABLE EXTINGUISHING MEDIA
Water spray. Carbon dioxide (CO2). Foam. Dry chemical

SPECIAL PROTECTIVE EQUIPMENT OF FIREFIGHTERS
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 – Additional Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Use personal protective equipment

METHODS FOR CLEANING UP
Take up mechanically and collect in suitable container for disposal.

Section 7 – Handling and Storage

HANDLING
Always wear recommended Personal Protective Equipment. No special handling advice required.

STORAGE
Keep in a dry, cool, dark and well-ventilated place.

Section 8 – Exposure Controls / Personal Protection

EXPOSURE LIMITS
We are not aware of any national exposure limit.

ENGINEERING CONTROLS
Safety shower and eye bath. Ensure adequate ventilation.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory Protection In case of insufficient ventilation wear suitable respiratory
Hand Protection
Compatible chemical-resistant gloves.

Eye Protection
Chemical safety goggles with side-shields.

Hygiene measures
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ENVIRONMENTAL EXPOSURE CONTROLS
Prevent product from entering the drains

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Sensitization: no data available
Target organ effects: no data available

**Section 12 – Ecological Information**

Ecotoxicity effects: no information available
Mobility: no information available
Biodegradation: no information available

**Section 13 – Disposal Considerations**

Observe all local environmental regulations.

**Section 14 – Transport Information**

RID/ADR: Non-hazardous for road transport
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