

Material Safety Data Sheet

Date produced: 28.08.2015; Date updated: 17.07.2016

Section 1 – Product and Company Information

| | |
|---------------------|---|
| Product Name | SiR-DNA |
| Product No. | SC007 |
| Use | Fluorescent probe for microscopy |
| Company | Spirochrome AG Postfach 213 CH-8260 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-DNA |
| 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.

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. Don 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 | equipment |
| Eye Protection | Compatible chemical-resistant gloves. |
| Hygiene measures | Chemical safety goggles with side-shields. 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 yellow 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, THF |

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-DNA | 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 WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

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End of material safety data sheet