

## **Material Safety Data Sheet**

Date produced 24.11.2022; Date updated -

### **Section 1 – Identification of the substance/mixture and of the company**

#### **1.1 Product identifier**

Name: SiR-tetrazine  
Product No. SC008

#### **1.2 Relevant identified uses and uses advised against**

Fluorescent probe for microscopy. For research use only. Must not be used in human, diagnostic, therapeutic or medical use.

#### **1.3 Details of the supplier of the safety data sheet**

Address: Spirochrome AG  
Postfach 213  
CH-8260 Stein am Rhein  
Switzerland  
Internet: <http://spirochrome.com/>  
Technical Phone +41 52 741 14 45  
E-Mail Address [info@spirochrome.com](mailto:info@spirochrome.com)

#### **1.4 Emergency telephone numbers**

List of national toxicological centers

ITALY: +39 06 305 4343  
FINLAND: +358 9 471 977 (24h / 7 days)  
FRANCE: +33 1 40 05 48 48 (24h / 7 days)  
GERMANY: +49 551 19240 (24h / 7 days)  
ISRAEL: +972 4 854 1900  
SPAIN: +34 91 562 04 20  
SWEDEN: 112, international: +46 8 33 12 31 (24h / 7 days)  
SWITZERLAND: 145, international: +41 44 251 51 51 (24h / 7 days)  
UNITED KINGDOM: 111 (24h / 7days)  
UNITED STATES Of AMERICA: +1 800 222 1222 (24h / 7 days)

### **Section 2 – Hazards Identification**

## **2.1 Classification of the substance or mixture**

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.

## **2.2 Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

## **2.3 Other hazards**

None

## **Section 3 – Composition/Information on Ingredients**

### **3.1 Substance**

SiR-tetrazine

## **Section 4 – First aid Measures**

### **4.1 Description of First Aid Measures**

#### GENERAL ADVICE

Consult a physician and show this safety data sheet.

#### AFTER INHALATION

If inhaled, remove to fresh air. Consult 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. Consult 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/ophtalmologist.

#### AFTER INGESTION

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

### **4.2 Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

### **4.3 Indication of immediate medical attention and special treatment needed**

If unconscious call emergency. Show this safety data sheet to the first respondent physician

## **Section 5 – Fire Fighting Measures**

### **5.1 Extinguishing Media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical

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

No information available.

### **5.3 Advice for Fire-Fighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## **Section 6 – Additional Release Measures**

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

Wear appropriate personal protective equipment – see section 8. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid breathing mist/vapor. Keep unauthorized and unprotected persons away.

### **6.2 Environmental precautions:**

Do not let product or solutions thereof enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Cover spillage with suitable absorbent material. Sweep up material and place in an appropriate properly labeled containers for disposal according to local government rules.

### **6.4 Reference to Other Sections**

Follow personal protection measures given in Section 8 and observe Section 13 for disposal.

## **Section 7 – Handling and Storage**

### **7.1 Precautions for safe handling**

Wear appropriate personal protective equipment – see section 8. Avoid contact with skin and eyes. Avoid breathing mist/vapor. Do not eat, drink or smoke when using this product. Keep this product away from food and out of reach of children and pets. The packaging is handled and opened carefully. Remove contaminated clothing. Keep container tightly closed when not in use. Use only in well ventilated areas.

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

Store at -20°C. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

### **7.3 Specific end use(s):**

This product should only be used for applications described in Section 1.2.

## **Section 8 – Exposure Controls / Personal Protection**

### **8.1 Control Parameters**

No information available.

### **8.2 Exposure Controls**

#### General Hygiene Measures:

Smoking, consumption of food or liquid, and storage of food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash are clearly marked. Avoid contact with eyes and skin. Avoid breathing vapor.

#### Engineering controls

Safety shower and eye bath. Ensure adequate ventilation.

#### Personal Protection Equipment

Wear gloves / protective clothing / eye protection / face protection.

#### Respiratory protection

No breathing apparatus necessary when working properly in a fume cupboard.

#### Skin Protection

Wear protective gloves according to EN 374.

Material: nitrile rubber

#### Eye Protection

Wear safety goggles according to EN 166.

#### Environmental Exposure Controls

Prevent product from entering the drains

## **Section 9 – Physical and Chemical Properties**

### **9.1 Information on basic physical and chemical properties**

Form	solid
Appearance	white to blue 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

### **9.2 Other Information**

**No other information available**

## **Section 10 – Stability and Reactivity**

### **10.1 Reactivity**

None under normal conditions.

### **10.2 Chemical stability**

Stable under normal storage conditions and recommended use.

### **10.3 Possibility of hazardous reactions:**

None known.

### **10.4 Conditions to Avoid**

No information available.

### **10.5 Incompatible Materials**

Strong acids/alkalis, strong oxidising agents.

### **10.6 Hazardous decomposition products**

In combustion may emit toxic fumes. No known decomposition information.

## **Section 11 – Toxicological Information**

### **11.1 Information on Toxicological effects:**

Acute Toxicity	Not tested.
Skin Corrosion/Irritation	Not tested.
Serious Eye Damage/Irritation	Not tested.
Respiratory or Skin Sensitisation	Not tested.
Toxicity on Repeated Exposure	Not tested.
Mutagenicity	Not tested.

---

Carcinogenity	Not tested.
Toxicity for Reproduction	Not tested.

## **Section 12 – Ecological Information**

### **12.1 Toxicity**

No data available

### **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**

No data available

### **12.6 Other adverse effects**

No data available

## **Section 13 – Disposal Considerations**

### **13.1 Waste Treatment Methods**

Observe all local and national regulations.

## **Section 14 – Transport Information**

This product is not classified as dangerous to transport.

### **14.1 UN Number**

Not determined.

### **14.2 Proper Shipping Name**

Not determined.

### **14.3 Hazard Class**

Not determined.

### **14.4 Packaging Group**

Not classified.

### **14.5 Environmental Hazards**

Not classified.

### **14.6 Special Precautions for User**

none

### **14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not classified.

## **Section 15 – Regulatory Information**

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

not classified

### **15.2 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.

### **DISCLAIMER**

For R&D use only. Not for diagnostic, drug, food, household or other uses.

End of material safety data sheet