Material Safety Data Sheet

Date produced 15.07.2020; Date updated -

Section 1 – Product and Company Information

Product Name: SPY620-actin
Product No.: SC402
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: SPY620-actin
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. 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>white to blue solid</td>
</tr>
<tr>
<td>Odor</td>
<td>no information available</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>no data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>DMSO</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPY620-actin</td>
<td>not Hazardous</td>
</tr>
<tr>
<td>LD50 (oral, rat/mouse)</td>
<td>no data available</td>
</tr>
<tr>
<td>LD50 (dermal, rat/rabbit)</td>
<td>no data available</td>
</tr>
<tr>
<td>LD50 (inhalation, rat/mouse)</td>
<td>no data available</td>
</tr>
</tbody>
</table>

**PRINCIPAL ROUTES OF EXPOSURE / POTENTIAL HEALTH EFFECTS**

<table>
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<tr>
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<td>no data available</td>
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</table>
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
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
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End of material safety data sheet