

Material Safety Data Sheet

Date produced 15.10.2019; Date updated 04.01.2020

Section 1 – Product and Company Information

Product Name	SPY505-DNA
Product No.	SC101
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	SPY505-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	white to orange 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

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

SPY505-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.

DISCLAIMER

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

End of material safety data sheet