

## STK Sperm Tracker (STK Lab)

**Ref. AXO-STK-9240**

**Ref. AXO-STK-9210**

**Ref. AXO-STK-7045**

**Ref. AXO-STK-A3-20**

### **Safety Data Sheet**

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**SECTION 1. Identification of the substance/compound and the organisation/company****1.1. Identification of the substance or compound**

Trade name: STK Sperm Tracker. STK Lab

Catalogue references: AXO-STK-9240, AXO-STK-9210, AXO-STK-7045, AXO-STK-A3-20.

**Composition:** Blotting paper impregnated with a mixture of compounds allowing the specific detection of traces of male seminal fluid.

**1.2. Recognised appropriate applications for the substance or compound and inappropriate applications**

Product for the analysis.

Components of an orientation test for the forensic medicine.

Forensic use only. Not for in vitro diagnostic. Product may not be used for medical or diagnostic purposes.

**1.3. Information regarding the supplier of the safety datasheet**

AXO Science SAS

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69100 Villeurbanne - FRANCE

**1.4. Emergency phone number**

ORFILA (INRS [French Institute for Research and Security]) number: + 33 (0)1 45 42 59 59

**SECTION 2. Hazard identification****2.1. Classification of the substance or compound****Classification of the STK Sperm Tracker product (STK Lab)**

Classification in compliance with (EC) Regulation No. 1272/2008 (CLP):

The product does not contain any hazardous substances or compounds.

**2.2. Label content**

Label complies with (EC) Regulation No. 1272/2008 (CLP):

The product does not require labelling.

Additional hazard information (EU):

Not applicable.

**2.3. Additional hazards**

The product does not contain any components deemed to be persistent, bioaccumulating and toxic or very persistent and very bioaccumulating at levels of 0.1% and above.

**SECTION 3. Composition/information relating to the components****3.1. Compounds**

Although it is a compound composed of several substances it does not fall into the category of a hazardous compound as defined by (EC) Regulation No. 1272/2008. In accordance with this regulation, listing all of the components is not mandatory.

Because of the manufactured/imported annual quantities involved, the compound is exempt from registration with REACH.

**SECTION 4. First aid****4.1. Standard procedure if first aid or medical help is required****In case of inhalation**

In case of inhalation, ensure the patient inhales fresh air. If their breathing or heart stops, immediately begin cardiopulmonary resuscitation (CPR).

**In case of contact with skin**

Wash the affected area for at least 15 minutes with plenty of soap and rinse under running water. Do not attempt to neutralise the affected area. If required, apply a loosely fitting bandage. Consult a doctor if skin irritation continues.

**In case of contact with eyes**

Protect the unaffected eye; then with the eye wide open with the eyelids held back, thoroughly flush the eye under running water using an eye bath or a shower for at least 10 minutes.

**In case of swallowing**

In case of swallowing, rinse out the mouth with water.  
In case of any ongoing pain or discomfort, consult a doctor.

**4.2. Main acute and longer term symptoms and effects**

If relevant, the known main symptoms and effects are described on the label (see section 2.2) and/or section 11.

**4.3. Information regarding any possible immediate medical treatment or specific treatment required**

No other important details available.

**SECTION 5. Fire control measures****5.1. Fire extinguishing methods****Appropriate fire extinguishing methods**

Ensure you use the correct type of extinguisher for the nature of the fire you are dealing with, or, use a fire blanket if necessary. Any of the following methods may be used to fight the fire: alcohol-resistant foam, high-pressure water jet, dry chemical powder or dry ice.

**5.2. Specific hazards as a result of being exposed to the substance/compound****Dangerous combustible products**

The nature of all the decomposition products is not known.  
Creation of steam/air compounds which may be irritating or hazardous to health.

### 5.3. Advice for the fire brigade

#### Special protection equipment for those involved in fighting the fire

If necessary, wear breathing equipment, protected from the outside environment (a standalone supply of oxygen) especially in cases of severe contamination. If you are involved in fighting the fire, always wear a chemical protection suit (an all-in-one suit for total protection).

## SECTION 6. Procedure to adopt in the case of accidental spillage

### 6.1. Personal precautions, PPE and emergency measures

Avoid breathing any fumes, atomised spray or gas. If you need to handle the product, wear appropriate protective gloves and glasses (see 8.2.2).

Keep the product away from flames and heat sources. No smoking. All staff should be regularly reminded of the attendant hazards and the safety precautions detailed in the safety plan. Observe all usage restrictions.

### 6.2. Precautions to protect the environment

There are no specific precautions to be taken.

### 6.3. Procedures and material required for storage and cleaning

Store all products in the specially designed containers and keep the lid closed to prevent leaks.

### 6.4. References to further sections

Please see section 8 for further information on PPE.

Please see section 13 for further information on disposal.

## SECTION 7. Handling and storage

### 7.1. Precautions for safe handling

Please handle all items in accordance with the attached instructions. Please see Section 2.2 with regard to the precautions to be adopted.

#### Recommended hygiene procedures in the workplace:

Wear gloves when handling the material.

Never eat, drink, smoke or keep any food in the workplace.

Wash your hands after any contact with the product.

Ensure you remove any contaminated clothing and PPE before entering areas where food is served.

### 7.2. Conditions for secure storage, including any potential incompatibility

The original packaging offers the most secure way to store the product. For storage, keep the original packaging hermetically sealed and store it in premises protected from natural light.

See User Guide for the information regarding preservation and integrity.

If applicable, see Section 12 for the different categories of storage.

### 7.3. Individual final application(s)

Apart from the applications specified in section 1.2, there is no additional use intended for this product.

## SECTION 8. Exposure control/personal protection

### 8.1. Control parameters

#### 8.1.1. Limits on professional exposure

This product does not contain any substances subject to professional exposure limits.

#### 8.1.2. Information relating to follow-up procedures

No data available.

### 8.2. Exposure control

#### 8.2.1. Suitable control procedures

Handle this material in accordance with safety instructions and industrial hygiene best practices. Wash hands thoroughly before taking a break and at the end of the working day.

Maintain the highest standards of cleanliness in the workplace.

#### 8.2.2. Personal protection equipment

##### 8.2.2.1. Protection for the eyes and face

When exposed to UV lighting, always use the eye protection equipment (safety goggles), which has been tested and meets the European standards EN 166 and EN 170 (UV protection); goggles should have wraparound lenses or envelop the eyes totally.

##### 8.2.2.2. Protection for skin

###### Protection for hands

Wear gloves when handling the product. Gloves used for this purpose must meet the specifications of EU Council Directive 89/686 and the derived European Standard EN374: (permeation time >30 minutes - class 2 and made from PVC, natural latex, neoprene or nitrile rubber). Any chemical-resistant latex gloves, (having attained the Standard EN 374-3 class I) may be used temporarily. The minimum thickness for the recommended material is 0.11 mm.

Gloves should be checked before use. To prevent any contact between the product and the skin (in other words to avoid touching the external surface of the glove), use a suitable technique to take off the gloves. Dispose of any contaminated gloves after use in accordance with prevailing local directives and laboratory best practice. Wash and dry your hands.

###### Protection available for skin other than the hands

Protection recommended with safety clothing and equipment chosen specifically in relation to the levels of concentration and quantities of hazardous substances in the workplace.

##### 8.2.2.3. Respiratory protection

Respiratory protection equipment is not required. In case of dust, use type P1 (EN 143) protection masks. Always use tested and approved material, displaying CE Marking.

##### 8.2.2.4. Heat hazards

No data available.

**8.2.3. Exposure control linked to environmental protection**

No data available

**SECTION 9. Physical and chemical properties**

**9.1. Information relating to the basic physical and chemical properties**

Physical and chemical properties	Identification of the substance or the compound
	STK Sperm Tracker paper impregnated with a compound
Appearance	- state: solid (a roll of paper) - colour: white
Odour	no data available
Odour threshold	no data available
pH	no data available
Melting point/freezing point	no data available
Boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower limits of flammability or explosivity	no data available
Steam pressure	no data available
Steam density	no data available
Relative density (or apparent density in the case of solids)	no data available
Solubility	no data available
Octanol/water partition coefficient (KOW)	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive potential	no data available
Combustible potential	no data available

**SECTION 10. Stability and reactivity****10.1. Reactivity**

No data available

**10.2. Chemical inertia**

Inert whilst in the recommended storage conditions.

**10.3. Potential hazardous reactions**

No data available

**10.4. Conditions to avoid**

**Sensitivity to UV light.** Do not expose to light.

Sensitive to heat. Do not store in temperatures exceeding 35°C.

**10.5. Incompatible materials**

No data available

**10.6. Dangerous decomposition products**

There is no evidence of any hazard from this product when stored in its original packaging.

**SECTION 11. Toxicology information****11.1. Details of toxicological effects****Acute toxicity**

No discernible toxicity

**Burns/irritation to the skin**

No data available

**Serious injuries to the eye/eye irritation**

No data available

**Breathing or skin reactions**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

IARC: The International Agency for Research on Cancer has not identified any probable, possible or acknowledged substance that is carcinogenic in humans in a concentration level greater than or equal to 0.1% in this product.

### Reproductive toxicity

No data available

### Summary of CMR property evaluation

No data available

### Specific toxicity for certain target organs - single exposure

No data available

### Specific toxicity for certain target organs - multiple exposure

No data available

### Hazard caused by inhalation

No data available

### Miscellaneous toxicity

No data available

## SECTION 12. Ecological information

### 12.1. Toxicity

No data available

### 12.2. Lifespan and degradation

No data available

### 12.3. Bioaccumulation potential

No data available

### 12.4. Soil mobility

No data available

### 12.5. Results from the PBT and vPvB tests

No results for tests for PBT/vPvB are available because the chemical safety analysis is not required / has not been conducted.

### 12.6. Any other undesirable effects

No data available

### 12.7. Further information

Do not allow this product to enter water tables, drinking water supplies or sewers.

## SECTION 13. Disposal considerations

### 13.1. Treatment of waste products

#### Disposal of the product/packaging:

The chemicals must be disposed of in accordance with national legislation in conjunction with local, regional and national laws.

Surplus material and non-recyclable liquids must be sent to a professional waste disposal organisation.

Any packaging material that cannot be cleaned must be disposed of in the same way as the product itself.

Waste disposal codes/classification of waste products in accordance with the LoW: 16 05 06

**Information relating to the disposal of waste water:**

Waste water must not be allowed to drain into public sewers.

**SECTION 14. Transport information**

The substances and compounds contained within this product do not represent a hazard for the environment according to the ADR, RID, ADN and the IMDG code and do not require specific safety precautions during transportation.

**14.1. UN number**

Not applicable

**14.2. United Nations dispatch name:**

Non-hazardous merchandise

**14.3. Transport hazard category(ies)**

Not applicable

**14.4. Packaging group**

Not applicable

**14.5. Environmental hazard**

Not applicable

**14.6. Specific safety precautions to be taken by the user**

Not applicable

**14.7. Bulk transport according to Annex II of MARPOL Convention and the IBC Code**

Non applicable

**14.8. Air transport (IATA / ICAO)**

Not subject to IATA regulations

**SECTION 15. Regulatory information****15.1. Health, safety and environmental regulatory/legislative conditions relating to the product or compound**

This safety data sheet has been prepared in accordance with Regulation (EC) No. 1907/2006 as amended by Regulation (EU) 2020/878.

**National legislation:**

National legislation relating to the limit values on professional exposure to chemical agents: see Section 8.1.1.

**15.2. Assessment of the chemical safety**

No assessment of the chemical safety of this product or compound has been carried out by the supplier.

**SECTION 16. Further information****16.1. Updated information**

Version 1.6: Comprehensive update of sections 14, 15, and 16 (compliance with Regulation 2020/878 and IATA requirements).

**16.2. Abbreviations and acronyms**

ADN	The European agreement relating to the international transportation of hazardous merchandise over internal navigation routes
ADR	European Agreement on the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service (a division of the American Chemical Society)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IMDG	International Maritime Code for Dangerous Goods
INRS	National Institute for Research and Safety
LoW	European List of Waste
NA	not applicable
N.S.A.	otherwise not applicable
PBT	persistent bioaccumulative and toxic for the environment
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
VCI	Verband der Chemischen Industrie (German Chemicals Industry Association)
vPvB	very persistent and very bioaccumulative for the environment

**16.3. Select bibliography and data sources**

Regulation (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 (REACH) - requirements relating to the establishment of a safety data sheet

Guidelines from the (Swiss) SUVA insurance organisation relating to exposure limit values in the workplace, updated January 2009

German technical ruling TRGS 900 on air limit values in the workplace, dated January 2006, May 2010 version

German technical ruling TRGS 907 relating to a list of sensitising substances and supporting information from November 2011

The EC 1999/92 Directive relating to legislation applying to users of any material located in explosive environments

KÜHN, BIRETT leaflets relating to hazardous material in the workplace.

The Guide to Understanding the Safety Datasheets, Version 2.0, December 2013 European Chemicals Agency (ECHA)

The GESTIS database on International Limit Values

**16.4. Classification and process used to classify compounds in accordance with the (EC) Regulation 1272/2008 (CLP)**

Not applicable

**16.5. Comments about appropriate H(azardous) items****Comments about hazards and precautionary advice (according to Regulation (EC) CLP No. 1272/2008)**

Not applicable

**16.6. Training advice**

Regular training relating to the hazards and safety processes in place when handling hazardous substances should be offered to all staff. Additional targeted information should be given to staff involved in handling these products.

**16.7. Further information**

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Information detailed above is a reflection of our current knowledge and understanding. It is not intended to be exhaustive and should be considered as a guide. AXO Science will not be held responsible for any damages resulting from the use of or contact with the product mentioned above.

The safety instructions described relate exclusively to the use of the product by a competent member of staff in a safe and secure environment. Each and every reader of these safety instructions is required to ensure that his/her training and skill sets are sufficient to be able to handle these products responsibly. These instructions are not intended to confirm ownership of the product in the sense of any warranties or guarantees nor do they offer any kind of guarantee whatsoever. They do not constitute a contractual or extra-contractual legal agreement. AXO Science will not accept any claim for damages, howsoever incurred, resulting from the use of or the certainty provided by these safety instructions. For further information, we advise you to consult our conditions of sale and delivery.

**Recommended restrictions for the work place**

This product is intended for use by professionals only. Observe restrictions surrounding the employment of young people. Observe legal provisions in force regarding the protection of young people in the workplace (EC/94/33). Observe restrictions surrounding the employment of pregnant women and mothers breast-feeding young babies. Observe legal provisions in force regarding the protection of new mothers in the workplace (EEC/92/85).