

STK Sperm Tracker

Ref. AXO-STK-9240

Ref. AXO-STK-9210

Ref. AXO-STK-9205

Ref. AXO-STK-A3-20

Safety Data Sheet

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CHANGES SINCE LAST VERSION:

Page 3: Trade name

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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-9205, AXO-STK-A3-20.

Composition: a compound impregnated into STK Sperm Tracker paper.

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**

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 May 2006

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 transportation in accordance with appendix II of the 73/78 Marpol convention and the IBC assembly

Not applicable

SECTION 15. Regulatory information

15.1. Health, safety and environmental regulatory/legislative conditions relating to the product or compound

This safety data sheet is compliant with the requirements of (EC) Regulation No. 1907/2006 and EU 453/2010.

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**

The symbol ▲ indicates information that has been changed since the previous version.

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

REACH Regulation 453/2010/EU - 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).