Safety Data Sheet - SDS

according to Regulation (EC) No.1907/2006

Echis Clotting Time Test (ECTT)

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY.

1.1 Product Identifiers.

Product name	:	**Echis Clottine Time Test**
Product codes	:	ECTT330.
Index Number	:	Not indexed in regulation (EC) No.1272/2008.
REACH No.	:	Not required due to exemption from registration (below the annual tonnage for downstream user).
CAS Number	:	55466-26-7.

1.2 Identified uses: For use in the detection of Vitamin K deficiency and the monitoring of direct thrombin

1.3 Company :

Diagnostic Reagents Ltd.
Wenman Road,
Thame,
Oxon, OX9 3NY,
UK.

Telephone : +44(0)1844 212426
Email : sds@diagen.co.uk

1.4 Emergency Tel: **+44(0)1844 212426 (Monday to Friday, 09.00 to 17.00)**

2. HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture according to regulation (EC) No 1272/2008 (EC-GHS/CLP).

Not a dangerous substance according to GHS.

2.2 Label Elements :

Labelling according to Regulation (EC) No 1272/2008 (CLP).

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

2.3 Other hazards

None.

3. COMPOSITION / INFORMATION ON INGREDIENTS.

3.1 N/A.

3.2 Mixtures.
Synonyms : N/A

Component	Classification	Concentration
***Echis carinatus* venom.** CAS No. N/A EC No. N/A	Not classified.	≤1%

4. FIRST AID MEASURES.

4.1 Description of first aid measures.

General Advice.
Consult a physician. Show this SDS to the doctor in attendance.

If inhaled.
Move the person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact.
Wash off with soap and plenty of water. If a reaction occurs consult a physician.

In case of eye contact.
Rinse the eye thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed.
Rinse mouth out with water. Never give anything by mouth to an unconcious person. Consult a physician.

4.2 Most important symptoms and effects, both accute and delayed.
Symptoms may include blood disorders, Neurotoxic effects and damage to the heart.

4.3 Indication of any immediate medical attension and special treatment needed.
No data available.

5. FIRE FIGHTING MEASURES.

5.1 Extinguishing media.

Suitable extinguishing media.
Water Spray, alcohol-resistant foam, dry chemical or Carbon dioxide.

5.2 Special Hazards arising from the substance or mixture.
Nature of decomposition products not known.

5.3 Advice for firefighters.
When entering any fire, please ensure the correct protective clothing and self contained breathing apparatus are worn.

5.4 Further information.
No data available.

6. ACCIDENTAL RELEASE MEASURES.

6.1 Personal Precautions, protective equipment and emergency procedures.
Use personal protective equipment. Avoid dust formation. Avoid inhailing dust. Ensure adequate ventilation. Evacuate personel to a safe area if necessary.

6.2 Environmental precautions.
Do not allow product to enter the drains.

6.3 Methods and materials for containment and cleaning up.
Sweep up and shovel, or vaccum, creating as little dust as possible. Once contained, hold in suitable, closed container for disposal.

6.4 Reference to other sections.
For disposal see section 13.

7. HANDLING AND STORAGE.

7.1 Precautions for safe handling.
Avoid skin and eye contact. Avoid dust and aerosol formation. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities.
Store according to manufacturers instruction in a cool place. Keep container tightly closed when storing. The recommended storage temperature for the lyophilised product is between 4°C and -20°C.

7.3 Specific end use(s).
Apart from those uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROL / PERSONAL PROTECTION.

8.1 Control Parameters.

Components with workplace control parameters.
Contains no substances with occupational exposure limit values.

8.2 Exposure controls.

Appropriate engineering controls.
Handle in accordance with good laboratory practice. Wash hands before breaks and immediately after handling this product.

8.3 Personal protective equipment.

Eye/face protection.
A face shield or safety glasses. Use equipment tested and approved by government standards such as EN 166 (EU) or NIOSH (US).

Skin protection.
Handle with gloves. Gloves should be thouroughly checked before use. Use correct glove removal technique to avoid skin contact with this product. Dispose of any used gloves in accordance with applicable laws and Good Laboratory Practice (GLP).

Wash and dry hands thouroughly after use.

Protective gloves should adhere to the specifications detailed in EU directive 89/686/EEC and the derived standard EN374. A experienced Safety Officer should conduct a thourough assessment of any procedure using this product before proceeding.

Body Protection.
Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls as appropriate, to prevent skin contact. The extend of the protective equipment must be selected according to the concentration and the amount of substance being used.

Respiratory protection.
For nusiance eposures use type P95 (US) or type P1 (EU EN143). Use respirators and components tested and approved under appropriate government standards such as

9. PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic chemical and physical properties.

a) Physical state:	Lyophilised cake	**k) pH:**	Not available.
b) Colour:	White	**l) Kinematic viscocity:**	Not available.
c) Odour:	Odourless	**m) Solubility:**	Not available.
d) Melting/freezing point:	Not available	**n) Partition coefficient:**	Not available.
e) Boiling point:	Not available	**o) Vapour pressure**	Not available.
f) Flammability:	Not available	**p) Density**	Not available.
g) Lower and upper explosion limit:	Not available	**q) Relative vapour density**	Not available.
h) Flash point:	Not available	**r) Particle characteristics**	Not available.
i) Auto-ignition temperature:	Not available		
j) Decomposition temperature:	Not available		

Other information: Not available.

10. STABILITY AND REACTIVITY.

10.1 Reactivity
No data available

10.2 Chemical Stability
no data available.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid:
No data available.

10.5 Materials to avoid:
Strong oxidising regents.

10.6 Hazardous decomposition products
Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects

Acute toxicity:
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/irritation.
No data available.

Respiratory or skin sensitisation.
Alergic reactions in certain individuals may be cause by repeated or prolonged exposure.

Germ cell mutagenicity.
No Data Available.

Carcinogenicity.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity.
No data available.

Specific target organ toxicity - single exposure.
No data available.

Specific target organ toxicity - repeated exposure.
No data available.

Aspiration hazard.
No data available.

Potential health effects.

Inhalation	May be fatal if inhaled. May cause respiratory tract irritaion. May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May cause skin irritation. May be fatal is absorbed through the skin. May be harmful if absorbed through the skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure.
Symptoms may include blood disorders, Neurotoxic effects and damage to the heart. The circulatory effects of Echis carinatus (saw-scaled viper) venom are similar to those of Russell's viper venom. A slight initial rise followed by a gradual but marked fall in blood pressure was produced by a dose of 0.2 mg/kg of Echis venom injected intravenously into a cat.

Additional information.
RTECS: YX3985300

12. ECOLOGICAL INFORMATION

12.1 Toxicity.
No data available.

12.2 Persistence/Biodegradability.
No data available.

12.3 Bioaccumulation potential.
No data available.

12.4 Mobility in soil.
No data available.

12.5 Other adverse effects.
No data available.

13. DISPOSAL CONSIDERATIONS.

13.1 Waste Treatment methods.

Product.
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator with an afterburner and scrubber.

Contaminated Packaging.
Dispose of as an unused product.

14. TRANSPORT INFORMATION.

RID/ADR:

UK Road Class:	-	**UK Road Packaging Group:**	-
UN No. (Road):	-	**RID Class No.**	-
Proper Shipping Name:	Not dangerous goods.	**RID Pack Group:**	-
		CEFIC TEC-R No.	-
Hazchem Code:	-	**ADR Class:**	-
ADR Class No.	-	**ADR Label No:**	-
ADR Pack Group:	-		

IMDG:

IMDG Class:	-	**IMDG Pack Group:**	-
UN No. (Sea):	-	**MFAG:**	-
Proper Shipping Name:	Not dangerous goods.	**IMDG Page No:**	-
EMS:	-		
Marine pollutant:	-		

IATA:

Air Class:	-	**Air Pack Group:**	-
UN Air No.	-		
Proper Shipping Name:	Not dangerous goods.		

14.6 Special precautions for user.

15. REGULATORY INFORMATION.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

no data available

15.2 Chemical Safety Assessment.

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION

Further Information

All the above information is based on current knowledge at the time of publication and follows stipulated regulations. Diagnostic Reagents Ltd is not responsible for any errors or lack of information give in the above literature. The information contained in this SDS does not constitute an assessment of work place risks and is intended only as a guide to the appropriate precautionary handling of a material by a trained person using this product. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in this SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits are not being exceeded. Diagnostic Reagents Ltd will not therefore be responsible for damages resulting from use of or reliance upon this information.