Tulip Diagnostics (P) Ltd.



MATERIAL SAFETY DATA SHEET

(According to 2001/58/EC) Product : Matrix Direct Antiglobulin Test Card Doc. No.: MSDS/815

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1.	Product name	Matrix Direct Antiglobulin Test Card	
	Catalogue No.	102670024	
	Kit components	Matrix Direct Antiglobulin Test Card (24 No.), Matrix 12 card fitment (02 No.) and Package Insert (01 No).	
1.2.	Intended use	In Vitro Diagnostic Use.	
1.3.	Company	Tulip Diagnostics (P) Ltd. Plot Nos. 92/96, Phase II C, Verna Industrial Estate, Verna, Goa 403 722 INDIA Telephone : +91-832-6624555 Fax : +91-832-2783511 E-mail : <u>tulipvkn@sancharnet.in</u>	
1.4.	In emergencies	Call your local emergency center.	

2. COMPONENTS AND HAZARDOUS INGREDIENTS

CARD COMPOSITION	HAZARDOUS INGREDIENT	EINECS NR.
Matrix card with six microtubes containing specific Anti Human IgG	Material from animal origin,	-
and Monoclonal Anti-C ₃ d and Neutral Reagent.	<0.1% Sodium azide (NaN ₃)	247-852-1

3. HAZARDS IDENTIFICATION

Material from animal origin is potentially infectious. Sodium Azide is a toxic substance. Avoid contact with components.

4. FIRST AID MEASURES

Eye contact:	- Rinse immediately with water
	- Do not apply neutralizing agents
	- Consult a doctor/medical service
Skin contact:	- Rinse with water
	- Consult a doctor/medical service if irritation persists
After inhalation:	- Remove the victim into fresh air
-	- Unconscious: maintain adequate airway and respiration
	- Consult a doctor/medical service if breathing problems develop
After ingestion :	- Never give water to an unconscious person
	- Consult a doctor/medical service if you feel unwell



Instructions:

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5. FIRE FIGHTING MEASURES Suitable extinguishing media: Unsuitable extinguishing media: Special exposure hazards: On heating/burning: formation of small quantities of nitrous vapors, carbon monoxide, carbon dioxide

- Take account of toxic firefighting water

- Use firefighting water moderately and contain it
- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

6. ACCIDENTAL RELEASE MEASURES

Special protective equipment for firefighters:

Personal protection: see 8 *Environmental precautions:*

- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Contain leaking substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill

Clean-up:

- Take up liquid spill into absorbent material
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. HANDLING AND STORAGE

Handling:

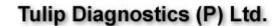
- Observe normal hygiene standards
- Do not discharge the waste into the drain
- Remove and clean contaminated clothing

Storage:

- Provide for a tub to collect spills
- Meet the legal requirements
- Keep away from: heat sources, acids
- Storage temperature: see component label

Specific purposes:

-NA



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Exposure to persons**

Respiratory Protection	- Insufficient ventilation: wear respiratory protection
Hand Protection	- Gloves
Eye Protection	- Face shields
Skin Protection	- Protective Clothing

8.2 Exposure to environm	ient	
Aquatic Classification:	Very toxic to aquati	ic organisms.
Ozone Classification:	No data available	-
The substance is considered as not bioaccumulative:		Log Pow = NA
		BCF = NA

Not Readily degradable

9. PHYSICAL AND CHEMICAL PROPERTIES

Anti Human IgG, Monoclonal Anti-C₃d and Neutral Reagent within the Gel Matrix.

10. STABILITY AND REACTIVITY

Stability: The component is stable until expiry date if stored in specified conditions (see label). Reactivity/Hazardous decomposition products: No hazardous decomposition products are formed in high quantities Conditions/Materials to avoid: Keep away from metals and acids (Component contains azide)

11. TOXICOLOGICAL INFORMATION

Sodium Azide:

Toxicity and effects

Acute toxicity:	LD50 oral rat	: 27 mg/kg
	LD50 dermal rabbit	: 20 mg/kg
Acute effects:	Harmful if swallowed	
Chronic toxicity:	Carcinogenicity (TLV)	: A4

Routes of exposure

Ingestion, inhalation, eyes and skin Caution! These components contain a substance that is absorbed through the skin (sodium azide).



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12. ECOLOGICAL INFORMATION

Aquatic toxicity

Sodium azide:

- LC50 (96 h): 0.8 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
 - LC50 (96 h): 0.7 mg/l (LEPOMIS MACROCHIRUS)
 - LC50 (48 h): 9 mg/l (GAMMARUS SP.)

Other information

- Effect on the ozone layer:

- Greenhouse effect:

- Effect on waste water purification:

Not dangerous for the ozone layer(1999/45/EC) No data available No data available

13. WASTE DISPOSAL CONSIDERATIONS

Provisions relating to waste: Hazardous waste (91/689/EEC).

Packaging/container: Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

Disposal methods:

- The component must be considered as hazardous waste. It should be disposed of following local regulations.
- -Sodium azide reacts with lead and copper plumbing forming highly explosive metal azides.

14.. TRANSPORT INFORMATION

To be handled with care and keep in upright position.

15. OTHER INFORMATION

This product is designed for use by professionals.

The material from animal source included in this kit are considered and judged to be free from risk of BSE/CJD and other zoonoses based on :

The use of BSA from sources in non-BSE countries (certificate available). But the handling of reagent, serum or plasma specimens should be in accordance with local safety procedure.

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.

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