

MATERIAL SAFETY DATA SHEET





BCOADC IqG

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier 1.1.

Product Name: BlueDiver Combi BCOADC IgG Product Code: BCOADC-24

Relevant identified uses of the substance or mixture and uses advised against 1.2.

Part of an immunodot kit (professional IVD use only, automated on the BlueDiver Instrument) for the detection of IqG antibodies to the BCOADC antigen in human serum.

13 Details of the supplier of the safety data sheet

D-TFK s.a

Parc Initialis, rue René Descartes 19 BE-7000 Mons Belgium +32 65 841 888 Tel.: Fax: +32 65 842 663 Internet: www.d-tek.be email: info@d-tek.be

1.4. **Emergency telephone number**

D-tek s.a. (only office hours): +3265841888Centre Anti-Poisons (BE) 070 245 245 Please refer to your local Anti-Poison Centre!

SECTION 2. HAZARDS IDENTIFICATION 2.1

Classification of the substance or mixture

According to Regulation (EC) Nº 1272/2008 the preparation is not classified as dangerous.

2.2 Label elements

According to Regulation (EC) Nº 1272/2008: none; according to concentration and/or conditioning: none.

2.3 Other hazards

The products / product components contain preservatives which may possess in their given concentration, skinsensitizing and slightly polluting properties. As any chemicals contain specific hazards, the products / product components should only be handled by appropriately trained personnel and with the necessary precautions for chemicals.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances 3.1

Dispenser DISP	Containing 24 chips (breakab	le individually, in a plastic dispenser)
Cellulose Nitrate	Each chip contains 3 lines of microdots: 1 st line: Positive Control (C+) 2 nd line: Antigen 3 rd line: Negative Control (C-)	Membrane (cellulose-nitrate) coated with purified antigens: BCOADC (Branched-Chain OxoAcid Dehydrogenase Complex, recombinant, human)

3.2 Mixtures

N/A

Hazardous Substances and their concentrations

The Hazard Classification listed in this section refers to the chemical at *a pure concentration*. It has been determined that the remaining ingredient(s) of these components are not classified as hazardous chemicals due to their physical and/or chemical nature and/or concentration in solution (see concentration here in the table) and/or their conditioning.

Abbreviations and significances:

Chemical Abstract Service (division of the American Chemical Society) EINECS: European Inventory of Existing Commercial Chemical Substances Information on significance H Phrases: see Section16

Name	CAS	EINECS	Concentration in strip	Classification according to Regulation EC 1272/2008 Significance H Phrases
Cellulose Nitrate	9004-70-0	-	< 5 %	Flam. Sol. 1 H228

Annex VI to Regulation (EC) No 1272/2008: Index Nº: 603-037-00-6; Commission Regulation (EU) 2015/830; 3.2.1





SECTION 4. FIRST AID MEASURES

	SYMPTOMS	FIRST AID
Contact with eyes:	N/A	-
Contact with skin:	N/A	-
Ingestion:	It is recommended to avoid ingestion and contact with food	If swallowed, wash out mouth with water provided the person is conscious; seek medical advice (showing this document when possible). Never give anything by mouth to an unconscious person; never try to make an unconscious person vomit.

SECTION 5. FIRE-FIGHTING MEASURES

Flammability:	Liquid reagents contained in the kit are not flammable. Cellulose Nitrate in pure form is highly flammable, but due to the small quantity (< 5% of chip) and the conditioning of it in a dispenser, it is not considered as a risk. Combustion of cardboard inserts inside the kit and the outer cardboard box of the kit may produce intense heat.	
Extinguishing Media:	Water (for cellulose nitrate chips); water, carbon dioxide, dry chemical powder or polymer	
	foam (for dispenser).	
	Use extinguishing media appropriate to surrounding fire conditions.	
Special Fire Fighting	For fires involving this material, do not enter any enclosed or confined fire space without	
Procedures:	proper protective equipment. This may include self-contained breathing apparatus to	
	protect against the hazardous effects of the normal products of combustion or oxygen	
	deficiency.	

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Always observe GLP (Good Laboratory Practice) safety lines. To avoid contact with skin and eyes wear appropriate protective clothing. Do not swallow, do not pipette by mouth.

6.2 Environmental Precautions

Avoid flushing away in drains; keep away from surface- and ground-water; keep away from soil.

6.3 Methods and material for containment and cleaning up

Sweep up and collect in appropriate containers for waste disposal; clean the floor and all other contaminated objects with water.

6.4 Reference to other sections N/A

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Always observe GLP (Good Laboratory Practice) safety lines. Wear appropriate protective clothing (refer to point 8.2). Wash hands and any other exposed zones with water and mild soap before eating, drinking, smoking and leaving workplace. Check the local and general ventilation of the workplace. Take any measures to prevent aerosol and dust generation and fire. Dispose of the waste according to safety measures of GLP.

7.2 Conditions for safe storage, including any incompatibilities

Always store the product according to instructions given on the label.

Always observe given temperature and humidity limit/range.

7.3 Specific end use(s) N/A

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

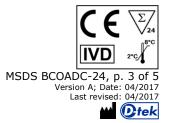
Name	Comment
Cellulose Nitrate	Contains no substances with occupational exposure limit values nor with short term exposure limit

8.2 Exposure controls

Respiratory protection:	None
Gloves:	Laboratory nitrile or latex gloves
Eye protection:	Goggles
Skin protection	Laboratory coat



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Criterion	Reagent
	DISP
Appearance:	Solid (fibrous sheet); colour: white to yellow
Odour:	None
Odour threshold:	N/A
pH value:	Not given
Melting point/freezing point:	Decomposes
Initial boiling point and boiling range:	Not given
Flash point:	N/A
Evaporation rate:	N/A
Flammability:	Yes, if exposed to: flames, sparks, shocks, static discharge, acids
Upper/lower flammability or explosive limits:	Not explosive
Vapour pressure:	Not given
Vapour density:	Not given
Relative density:	Not given
Solubility:	Insoluble in water
Partition coefficient n-octanol/water:	Not given
Auto-ignition temperature:	185°C
Decomposition temperature:	Not given
Viscosity:	Not given
Explosive properties:	Not explosive
Oxidizing properties:	Not given

9.2 Other information

N/A

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Particular dangerous reactions not known

10.2 Chemical stability

Materials to avoid: oxidizing agents, amines, strong acids and strong bases. Chemical stability: If storage conditions and expiry date are correctly observed, the mixture / product components are chemically stable.

10.3 Possibility of hazardous reactions

Particular hazardous reactions not known.

10.4 Conditions to avoid

Avoid inappropriate storage (temperature, humidity, light, etc). Avoid inappropriate use.

10.5 Incompatible materials

Oxidizing materials may adversely affect the functionality of cellulose nitrate.

10.6 Hazardous decomposition products

Under appropriate storage conditions and correct handling of the mixtures / product components, hazardous decomposition products are not known.

Combustion of cardboard inserts inside the kit and of the outer cardboard box of the kit does <u>not</u> liberate toxic gas (only carbon dioxide and water vapour).



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SECTION 11. TOXICOLOGICAL INFORMATION 11.1 Information on toxicological effects a. Acute toxicity

	I	ngredient	Measured qu	uantity	Value	1	Species	
	C	ellulose Nitrate	LD ₅₀ (oral)		3200	mg/kg	Rat	
	LD5	o test: Lethal dos	e for 50% of the population	n of test animals	5			
	b.	Skin corrosio No skin corros	on/irritation ion or irritation known					
	c.		damage/irritation je or irritation known					
	d.	• •	or skin sensitisation or skin sensitisation kn	iown				
	e.	Germ cell mu No data availa						
	f.	Carcinogenic No data availa						
	g.	Reproductive No data availa						
	h.	STOT-single No data availa	-					
	i.	STOT-repeat No data availa	•					
	j.	Aspiration ha No data availa						
		OLOGICAL INF xicity	FORMATION					
		ngredient	Toxicity for algae	Toxicity daphnia	for	Toxicity for fish	Toxicity microorgan	for isms
	C	ellulose Nitrate	Acute EC50: 579000 µg/l Fresh water (exposure 96 hours)	-		-	-	
			ective Concentration 50) C ulation during continuous e				that is calculated to	effect 50
12.2	Ре	rsistence and o	degradability					
	I	ngredient	Measured qu	uantity	Value	9	Comment	

12.2

Ingredient	Measured quantity	Value	Comment
Cellulose Nitrate	No data available	-	-

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPVB assessment

This reagent contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Ingredient	Effect <u>in pure form*</u>
Cellulose Nitrate	none

SECTION 13. DISPOSAL CONSIDERATIONS

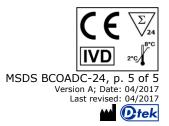
13.1 Waste treatment methods

Used chips may retain product residues: always handle as if they were contaminated.

Humidify cellulose nitrate before disposal. Chemical waste cannot be disposed of with household garbage: please contact a licensed professional waste disposal service to dispose of this material.

The waste generated by chemical preparations has generally to be regarded as special waste material, and is in most countries regulated by federal or state government laws and ordinances. Please contact the authority in the matter.





Disposal of the packaging

Disposal always according to official regulations: please contact the authority in the matter

SECTION 14. TRANSPORT INFORMATION

14.1 to **14.7**: N/A: The products are not subject to transport regulations.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture The user has to observe the applicable regulations.

- Commission Regulation (EU) N° 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Regulation (EC) N° 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC (classification, packaging and labelling of dangerous preparations) and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) N° 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- Commission Regulation (EU) N° 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

The present MSDS has been compiled according to the ANNEX II of the **Commission Regulation (EU)** 2015/830 of 28 May 2015.

ANNEX II of Commission Regulation (EU) 2015/830 replaces

- Annex II ⁽¹⁾ of Regulation (EC) No 1907/2006
- Article 59(5) of Regulation (EC) No 1272/2008 of the European Parliament and of the Council (which amends $^{(1)}$)
- Commission Regulation (EU) No 453/2010 (which amends ⁽¹⁾)

Full text of hazard phrases mentioned in this document:

Hazard phrases

Code	Phrase
H228	Flammable solid