

## Safety Data Sheet Revision date: December 2023

### Section 1: Identification of Substance/Mixture and of the company/undertaking

#### 1.1 Product Identifiers

Product Name: T-Cell Select™

Product Number: TSK.910 and TSK.960

REACH Number: A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require registration.

#### 1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: A kit to aid in the separation of peripheral blood mononuclear cells (PBMCs) for ELISPOT diagnostic tests.

#### 1.3 Details of the Supplier of this Safety Data Sheet

Manufacturer/Supplier: Oxford Immunotec Limited  
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Telephone: +44 1235 442 780

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Website: [www.oxfordimmunotec.com](http://www.oxfordimmunotec.com)

#### 1.4 Emergency Telephone Number

Emergency Telephone: +44 1235 442 780 (08:00-17:30)

### Section 2: Hazards Identification

#### 2.1 Classification of Substance or Mixture



Not a hazardous substance or mixture according to Globally Harmonized System (GHS)

**Note:** Buffer Concentrate classification:

Skin Corrosion/Irritation, Category 2  
Serious Eye Damage/Eye Irritation, Category 2  
Target Organ Systemic Toxicity (single exposure), Category 3

## 2.2 Label Elements

With respect to Buffer Concentrate and Antibody 2 the following is applicable:

<b>Component:</b>	Buffer Concentrate	Antibody 2
<b>Pictogram:</b>		
<b>Signal Word</b>	Warning	Harmful
<b>Hazard Statement(s)</b>	H319: Causes serious eye irritation.	R22: Harmful if swallowed
<b>Precautionary Statement(s)</b>	P264: Wash {hands} thoroughly after handling. P280: Wear {protective gloves/protective clothing/eye protection/face protection}. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists, get medical advice/attention.	P260: Do not breathe dust/fume/gas/mist/vapours/spray. P280: Wear protective gloves/protective clothing/eye protection/face protection P501: Dispose of contents/container using a licensed professional waste disposal service.

## 2.3 Other Hazards

None.

## Section 3: Composition/Information on Hazardous Components

**Buffer Concentrate: BU.910 (50 mL (x 1 bottle, TSK.910) (x 20 bottles, TSK.960)**

Hazardous Components	Concentration (%)	CAS Number	EINECS-No.
Ammonium chloride	7-13	12125-02-9	235-186-4

**Bead Reagent: BR.910 (10 mL x1 bottle, TSK.910). BR.960 (100 mL x 3, TSK.960)**

Hazardous Components	Concentration (%)	CAS Number	EINECS-No.
Sodium azide	<0.1 %	26628-22-8	247-852-1

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

**Antibody 1: AC.910 (2 mL x 3 bottles, TSK.910). AC.960 (100 mL x 2 bottles, TSK.960)**

No hazardous components.

Antibody 2: AH.910 (2 mL x 3 bottles, TSK.910). AH.960 (100 mL x 2 bottles, TSK.960)

Hazardous Components	Concentration (%)	CAS Number	EINECS-No.
Sodium azide	0.1 %	26628-22-8	247-852-1

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. We recommend handling all chemicals with caution.

#### Section 4: First Aid Measures

<b>Eye contact</b>	In the case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing and seek medical attention
<b>Ingestion</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> If ingested, wash out mouth with water, provided person is conscious. Seek medical attention immediately and show the label. <b>Buffer Concentrate:</b> Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> Move to fresh air immediately. If experiencing difficulty breathing, seek medical attention. <b>Buffer Concentrate:</b> Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Skin contact</b>	Remove contaminated clothing and wash affected area with soap and water. If symptoms of skin irritation appear, seek medical attention
<b>Protection of First Aiders</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> Wear suitable gloves and eye/face protection <b>Buffer Concentrate:</b> None
<b>Notes to physician</b>	None

#### Section 5: Fire Fighting Measures

<b>Suitable extinguishing media</b>	Use any extinguishing media that is suitable for the surrounding fire. Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Extinguishing media which must not be used for safety reasons</b>	Not known.
<b>Specific hazards</b>	None.
<b>Special protective equipment for firefighters</b>	Standard procedure for chemical fires.
<b>Combustion products or resulting gases</b>	Nitrogen oxides

#### Section 6: Accidental Release Measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Use suitable PPE for size of release and surrounding environment.
<b>Environmental precautions</b>	Do not let product enter drains. Discharge into the environment must be avoided. Waste disposal must be in accordance with appropriate international, national, state and local laws and regulations.
<b>Methods for containment and cleaning up</b>	No special measures are typically required. Wipe any liquid up with inert, adsorbent material and clean contaminated surface thoroughly. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

<b>Precautions for safe handling</b>	Use personal protective equipment as required (safety glasses, gloves and clothing). Avoid inhalation of vapour or mist. Wash hands afterwards.
<b>Conditions for safe storage</b>	Keep refrigerated. Do not freeze. Ensure containers are tightly closed.
<b>Incompatible products</b>	No special restrictions on storage with other products.
<b>Specific use(s):</b>	Apart from the uses stated in 1.2 no other uses are stipulated.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

Component	CAS #	Value	Control parameters	Basis	
Ammonium chloride	12125-02-9	TWA	10 mg/m <sup>3</sup>	Canada. British Columbia OEL	
		STEL	20 mg/m <sup>3</sup>	Canada. British Columbia OEL	
		TWA	10 mg/m <sup>3</sup>	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)	
		Remarks: Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.			
		STEL	20 mg/m <sup>3</sup>	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)	
		Remarks: Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.			
		TWAEV	10 mg/m <sup>3</sup>	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants	
		Remarks: Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.			
		TWA	10 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)	
		Remarks: Eye & Upper Respiratory Tract irritation			
		STEL	20 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)	
		Remarks: Eye & Upper Respiratory Tract irritation			
		TWA	10 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits	
		ST	20 mg/m <sup>3</sup>	USA. NIOSH Recommended Exposure Limits	
PEL	10 mg/m <sup>3</sup>	California permissible exposure limits for chemical contaminants (Title 8, Article 107)			

		STEL	20 mg/m <sup>3</sup>	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		TWA	10 mg/m <sup>3</sup>	UK. EH40 WEL – Workplace Exposure Limits
Remarks: The word 'fume' is often used to include gases and vapours. This is not the case for exposure limits where 'fume' should normally be applied to solid particles generated by chemical reactions or condensed from the gaseous state, usually after volatilisation from melted substances. The generation of fume is often accompanied by a chemical reaction such as oxidation or thermal breakdown.				
<b>Sodium Azide</b>	<b>26628-22-8</b>	TWA	None	EU OEL, Belgium, United Kingdom, Portugal, Denmark, Poland, Switzerland, Ireland, Norway
		STEL	None	EU OEL
		TWA	0.1 mg/m <sup>3</sup>	Denmark, Ireland, Italy, Spain, United Kingdom, Austria
		VME	0.1 mg/m <sup>3</sup>	France
		LLV	0.1 mg/m <sup>3</sup>	Sweden
		MAC	0.1 mg/m <sup>3</sup>	Netherlands
		TWA	0.2 mg/m <sup>3</sup>	Germany
		TWA	0.27 mg/m <sup>3</sup> 0.1 ppm	Finland
Remarks: Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.				

## 8.2 Exposure controls

<b>Engineering controls:</b>	Ensure adequate ventilation. Use mechanical exhaust or laboratory fume hood to avoid exposure.
<b>Respiratory protection:</b>	Ensure sufficient ventilation. In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards
<b>Hand protection:</b>	Wear suitable gloves. Glove material: Compatible chemical-resistant gloves. Gloves should be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of gloves after use in accordance with good laboratory practice.
<b>Eye protection:</b>	Wear safety glasses with side-shields.
<b>Skin and body protection:</b>	Wear suitable protective clothing.

## 8.3 Environmental Exposure Controls

**Antibody 1, Antibody 2, Bead Reagent:** Do not let product enter drains

## Section 9: Physical and Chemical Properties

### 9.1 Buffer Concentrate (BU.910)

Appearance: Liquid  
pH: No data available

### 9.2 Antibody 1 (AC.910 / AC.960)

Appearance: Colourless liquid  
pH: 7.4

### 9.3 Antibody 2 (AH.910 / AH.960)

Appearance: Colourless liquid  
pH: 7.0

### 9.4 Bead Reagent (BR.910 / BR.960)

Appearance: Brown liquid when in suspension  
pH: 7.4

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> Under normal conditions hazardous reactions will not occur. <b>Bead Reagent:</b> Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Materials to avoid</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> Sodium azide may react with acidic solutions and lead and copper plumbing over time to form highly explosive metal azides. <b>Bead Reagent:</b> No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	<b>Antibody 1, Antibody 2, Bead Reagent:</b> Nitrogen oxides <b>Bead Reagent:</b> No data available.

## Section 11: Toxicological Information

### 11.1: Information on toxicology effects

Acute toxicity:

Chemical Name	CAS-No.	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Sodium azide	26628-22-8	27 mg/kg (rat)	No data available	No data available
Ammonium chloride	12125-02-9	1650 mg/kg (rat)	No data available	No data available

### 11.2 Principle Routes of Exposure/ Potential Health effects

Handle in accordance with good industrial hygiene and safety practice.

<b>Eyes</b>	Sodium azide: May cause eye irritation with susceptible persons. Ammonium chloride: Irritating to eyes
<b>Skin</b>	Sodium azide: May cause skin irritation in susceptible persons. Ammonium chloride: Conclusive but not sufficient for classification
<b>Inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed
<b>Oxidising Properties</b>	No information available
<b>Odour</b>	No information available
<b>Carcinogenic Effects</b>	Conclusive but not sufficient for classification
<b>Water Solubility</b>	Soluble
<b>Mutagenic Effects</b>	Conclusive but not sufficient for classification
<b>Hand Protection</b>	Impervious gloves.
<b>Reproductive Toxicity</b>	Conclusive but not sufficient for classification
<b>Sensitisation</b>	Conclusive but not sufficient for classification
<b>Target Organ Effects</b>	Conclusive but not sufficient for classification

## Section 12: Ecological Information

<b>Toxicity</b>	No known significant effects or critical hazards.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Results of PBT and vPvB</b>	No data available.
<b>Other adverse effects</b>	No data available.

## Section 13: Disposal Consideration

<b>Waste disposal method</b>	The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
<b>Contaminated packaging</b>	Dispose of as unused product.

## Section 14: Transportation Information

The transport of this product is not regulated by IMO/IMDG, ADR/RID or IATA/ICAO as a hazardous material or dangerous goods.

## Section 15: Regulatory Information

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

This safety data sheet complies with Regulation (EC) No. 1907/2006 REACH.

The product is judged not to be hazardous to health or the environment according to current legislation.

## 15.2 Chemical safety assessment

Not required. No data available.

## Section 16: Other Information

**16.1 Version:** 5.0

### 16.2 Disclaimer:

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