

Safety Data Sheet

Revision date: 07 April 2022

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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Website: 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:

Component:	Buffer Concentrate	Antibody 2
Pictogram:		
Signal Word	Warning	Harmful
Hazard Statement(s)	H319: Causes serious eye irritation.	R22: Harmful if swallowed
Precautionary Statement(s)	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

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

Section 5: Fire Fighting Measures

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

Section 6: Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Avoid breathing vapours, mist or gas. Use suitable PPE for size of release and surrounding environment.
Environmental precautions	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.
Methods for containment and cleaning up	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

Precautions for safe handling	Use personal protective equipment as required (safety glasses, gloves and clothing). Avoid inhalation of vapour or mist. Wash hands afterwards.
Conditions for safe storage	Keep refrigerated. Do not freeze. Ensure containers are tightly closed.
Incompatible products	No special restrictions on storage with other products.
Specific use(s):	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 ³	Canada. British Columbia OEL	
		STEL	20 mg/m ³	Canada. British Columbia OEL	
		TWA	10 mg/m ³	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 ³	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 ³	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 ³	USA. ACGIH Threshold Limit Values (TLV)	
		Remarks: Eye & Upper Respiratory Tract irritation			
		STEL	20 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)	
		Remarks: Eye & Upper Respiratory Tract irritation			
		TWA	10 mg/m ³	USA. NIOSH Recommended Exposure Limits	
		ST	20 mg/m ³	USA. NIOSH Recommended Exposure Limits	
PEL	10 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)			

		STEL	20 mg/m ³	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		TWA	10 mg/m ³	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.				
Sodium Azide	26628-22-8	TWA	None	EU OEL, Belgium, United Kingdom, Portugal, Denmark, Poland, Switzerland, Ireland, Norway
		STEL	None	EU OEL
		TWA	0.1 mg/m ³	Denmark, Ireland, Italy, Spain, United Kingdom, Austria
		VME	0.1 mg/m ³	France
		LLV	0.1 mg/m ³	Sweden
		MAC	0.1 mg/m ³	Netherlands
		TWA	0.2 mg/m ³	Germany
		TWA	0.27 mg/m ³ 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

Engineering controls:	Ensure adequate ventilation. Use mechanical exhaust or laboratory fume hood to avoid exposure.
Respiratory protection:	Ensure sufficient ventilation. In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards
Hand protection:	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.
Eye protection:	Wear safety glasses with side-shields.
Skin and body protection:	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

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

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

Section 12: Ecological Information

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

Section 13: Disposal Consideration

Waste disposal method	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.
Contaminated packaging	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: 4.0

16.2 Disclaimer:

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