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# MATERIAL SAFETY DATA SHEET

## ❖ SECTION 1. PRODUCT IDENTIFICATION

**Products:** LTI 002-PC IMMUNO-TROL INFILIXIMAB LTC 002-PC IMMUNO-TROL CERTOLIZUMAB  
LTI 003-PC IMMUNO-TROL ANTI-INFILIXIMAB LTC 003-PC IMMUNO-TROL ANTI-CERTOLIZUMAB  
LTA 002-PC IMMUNO-TROL ADALIMUMAB LTV 002-PC IMMUNO-TROL VEDOLIZUMAB  
LTA 003-PC IMMUNO-TROL ANTI-ADALIMUMAB LTV 003-PC IMMUNO-TROL ANTI-VEDOLIZUMAB

## ❖ SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components:

Component	CAS EINECS	Composition (%)	Directive 67/548/CEE pour réactif pur	Hazards with used concentration
BSA	9048-46-8 232-936-2	<2%	N/A	N/A
Human serums		1%		Biological hazards
Sodium azide	26628-22-8 247-852-1	0,09 %	T+ R28 R32 N R50/53	N/A
Tween 20	9005-654-5	<0.1%	-	-

An ingredient in this mixture not classified as a hazardous component, is a substance not listed by the European Communities legislation as dangerous. This does not mean that it has no hazardous properties: please refer to the following recommendations and precautions for maximum safety when using this product.

## ❖ SECTION 3. HAZARDS IDENTIFICATION

Primary health hazards:

Components	Hazards
Sodium azide (NaN <sub>3</sub> )	Some reagents contain <b>less than 0.1%</b> total weight of Sodium Azide (NaN <sub>3</sub> ) as a preservative, CAS # 26628-22-8, EINECS # 247-852-1.
Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> )	Some reagents also contain <b>less than 0.1%</b> total weight of Tween-20 CAS # 9005-654-5. It is not a hazardous substance or mixture according to EC-directives 67/548/EEC or 199/45/EC.

#### Human source material: treat as potentially infectious

Human serums used in the preparation of this product have been tested and found non-reactive for the presence of Hepatitis B surface antigen (HBsAg), antibody anti-HIV 1 and 2, and anti-HCV. No known test method can offer complete assurance that Hepatitis B virus, HIV, HCV, or other infectious agents are absent. Handle all biological materials as though capable of transmitting infection.

### ❖ SECTION 4. FIRST-AID MEASURES

#### Contact with eyes:

Immediately flush with water during at least 20 minutes, separating the eyelids.

#### Contact with skin:

Wash off thoroughly with plenty of clean running water. Remove and wash contaminated clothing.

#### Ingestion:

If swallowed, wash out mouth with water. Obtain medical attention.

#### Inhalation:

Go away from exposure. Remove victim to fresh air. In case of breath difficulty, obtain medical attention if necessary.

IN CASE OF ACCIDENT OR IF YOU DO NOT FEEL WEEL, OBTAIN IMMEDIATLY MEDICAL ATTENTION.

### ❖ SECTION 5. FIRE-FIGHTING MEASURES

#### Flammability:

Not combustible.

#### Suitable extinguishing agents:

Water, CO<sub>2</sub>, polymer foam or dry chemical.

#### Firefighting instructions:

Wear approved self-contained breathing apparatus pressure and full protective gear to prevent contact with skin and eyes

### ❖ SECTION 6. ACCIDENTAL RELEASE

#### Personnal protection:

Wear individual protective clothing, gloves, safety glasses/goggles, laboratory coat, to prevent exposure.

#### Dumping:

Wipe up spills with inert absorbent materials and place in a suitable container.

### ❖ SECTION 7. HANDLING AND STORAGE

#### Handling:

Normal precautions for handling chemicals must be observed.

#### Stockage:

Keep containers tightly closed when not in use. Store in a dry, well ventilated storage area (between +2°C and +8°C). Protect from physical damage. Store upright to avoid leak.

### ❖ SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Components	CAS	Value	Control parameters	Basis
Sodium azide (NaN <sub>3</sub> )	26628-22-8	TWA	0,1 mg/m <sup>3</sup>	ECLTV

		STEL	0,3 mg/m <sup>3</sup>	ECTLV
		VME	0,1 mg/m <sup>3</sup>	FVL
		VLCT	0,3 mg/m <sup>3</sup>	FVL
Tween 20	9005-654-5	N/A	N/A	N/A

*Exposure control:*

**Process condition:** provide eyewash station.

**Component with limit values of exposure that require monitoring at workplace:** This product does not contain any relevant quantities of material with critical values that have to be monitored.

**Hygienic work practices:** Follow standard laboratory practices and usually applicable safety measures for the chemicals handling. Wash thoroughly after handling. Wash contaminated clothing before use.

*Personal protection:*

**Respiratory protection:** good local ventilation.

**Eyes protection:** safety glasses/goggles.

**Skin protection:** laboratory coat.

**Hands protection:** One-way gloves.

## ❖ SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** colorless liquid

**Odor:** solutions are odorless

**Boiling point:** N/A

**Melting point:** N/A

**Flash point:** N/A

**Explosion limit:** N/A

**Vapor pressure (mm Hg) :** N/A

**Density:** N/A

**Viscosity:** N/A

**Solubility in water:** solutions are soluble.

## ❖ SECTION 10. STABILITY AND REACTIVITY

**Stability :** Stable under ordinary condition of storage and use.

**Hazardous polymerisation:** N/A

**Conditions and materials to avoid:** N/A

**Hazardous conditions:** N/A

**Hazardous decomposition products:** N/A

## ❖ SECTION 11. TOXICOLOGICAL INFORMATION

Components	Toxicity
Sodium azide (NaN <sub>3</sub> )	DL50 (oral, rat) = 27 mg/kg DL50 (dermis, rabbit) = 20 mg/kg
Tween 20	The toxicological effects of this product have not been tested.

## ❖ SECTION 12. ECOLOGICAL INFORMATION

Components	Toxicity
Sodium azide (NaN <sub>3</sub> )	CL50 (Lepomis macrochirus) = 0,7 mg/L – 96h CE50 (Daphnia pulex) = 4,2 mg/L - 48h IC50 (culture mixte d'algues vertes) = 272 mg/L CE50 (Photobacterium phosphoreum) = 38,5 mg/mL
Tween 20	No data available.

## ❖ SECTION 13. DISPOSAL CONSIDERATION

Observe all Governmental environmental regulations for waste disposal. Chemical waste generators must determine if a discarded chemical is classified as a hazardous waste. Contact a licensed professional waste disposal service for disposal of unused product.

Remains of biological samples, reagents and controls should be collected in a suitable container for this purpose and autoclaved 1 hour at 121°C.

## ❖ SECTION 14. TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**Sea transport notes (IMDG):** not classified

**Air transport notes (IATA):** not classified

**Road or rail transports notes (ADR/RID):** not classified

**UN number:** not applicable

**UN proper shipping name:** not applicable

**Transport hazard class(es):** not applicable

**Packing group:** not applicable

**Environmental hazards:** not applicable

**Special precautions for user:** not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** not applicable

## ❖ SECTION 15. REGULATORY INFORMATION

Products are classified and identified according the European Communities legislation 96/54/CE and 1907/2006CE on dangerous substances and 1272/2008CE on classification and labelling.

## ❖ SECTION 16. OTHER INFORMATIONS

Controls contain Sodium Azide as a preservative. Sodium Azide has been reported to form lead or Copper Azide in laboratory plumbing which may explode on percussion. Use proper disposal procedures.

The attention of users is enticed on possibly incurred risks when a product is used for other uses than those advised.

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