

SAFETY DATA SHEET

1. IDENTIFICATION

This Safety Data Sheet is for the following products:

MANUFACTURER:

Immucor Transplant Diagnostics, Inc.
 550 West Avenue
 Stamford, CT 06902 USA
Manufacturer's Phone: 203-328-9500 (US and Canada)
 1-888-329-0255

AUTHORIZED REPRESENTATIVE:

Immucor Medizinische Diagnostik GmbH
Robert-Bosch-Straße 32
D-63303 Dreieich
 Germany
Phone: (+49) (0) 6103 80560
Fax: (+49) (0) 6103 8056199

Emergency Phone: 855-466-8267 US and Canada or call your local emergency center

Catalog#	PRODUCT NAME	Product Components				
		Beads	Conjugate Concentrate	Wash Buffer	Positive Control Serum	Negative Control Serum
265100	LIFECODES LSA Class I	LSA I Beads-960µL	120µL	30mL	100µL	100µL
265100R	LIFECODES LSA Class I	LSA I Beads-960µL	120µL	30mL	100µL	100µL
265200	LIFECODES LSA Class II	LSA II Beads-960µL	120µL	30mL	100µL	100µL
265200R	LIFECODES LSA Class II	LSA II Beads-960µL	120µL	30mL	100µL	100µL
265300R	LIFECODES LSA-MIC	LSA-MIC Beads-960µL	120µL	25mL	50µL	50µL

SPECIFIC USE: For Laboratory testing. Please see the the product Insert for more details

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity, Oral (Category 4). H302

Label Elements

Hazard pictogram (GHS) :



GHS07

Signal word (GHS)

Warning

Hazard statements (GHS):

H302 - Harmful if swallowed

Precautionary statements(GHS):

- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P281 Use personal protective equipment as required
- P301+ P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Contains material of human origin. Although these materials have been tested for HBsAg, anti-HCV and anti-HIV-1/2 and have been found not reactive, they should be considered as potentially infectious. Animal proteins are potentially infectious.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS CAS NUMBER CONCENTRATION

LSA BEADS IN A PBS-BASED BUFFER

Sodium Azide 26628-22-8 0.1%
 Contains material from human origin, contains bovine proteins

CONJUGATE CONCENTRATE

Sodium Azide 26628-22-8 0.1%
 Contains animal proteins

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POSITIVE CONTROL SERUM

Sodium Azide 26628-22-8 0.1%
 Contains material from human
 origin

NEGATIVE CONTROL SERUM

Sodium Azide 26628-22-8 0.1%
 Contains material from human
 origin

LSA WASH BUFFER (LSA MIC)

Sodium Azide 26628-22-8 0.1%

WASH BUFFER (LSA I & II)

Sodium Azide 26628-22-8 0.1%
 Contains Bovine Proteins

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, Unconscious: maintain adequate airway and respiration. Consult a doctor/medical service if breathing problems develop.

Ingestion: DO NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Give nothing (little) to drink. Get medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Do not apply neutralizing agents Get medical attention immediately.

Skin Contact: Wipe off affected area and flush with plenty of soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention. Wash clothing and shoes thoroughly before reuse.

5. FIRE-FIGHTING MEASURES

Flash Point: N/A

Autoignition Temperature: N/A

Fire and Explosion Hazards: N/A

Extinguishing Media: Use appropriate extinguishing media for surrounding fire: dry chemical, carbon dioxide, water spray or regular foam.

Special Fire Fighting Procedures: Wear appropriate personal protective equipment. Fight fires only if properly trained. Move containers from fire area if it can be accomplished without risk. Use water to keep containers cool. Dike fire control water.

Unusual Fire and Explosion Hazards: Avoid breathing vapors or dusts. Keep upwind.

Hazardous Decomposition Products: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Action to Be Taken if Material Is Released or Spilled: Do not touch spilled material. Stop the release if you can do it without risk. Isolate the area and deny entry. Absorb the spill and place used absorbent material into approved containers for later disposal. Decontaminate the area with an approved disinfectant. Cover the area with paper towels and pour disinfectant over the area. Wipe the area until clean and dry. Discharge of absorbed material according to local regulations, Wash clothing and equipment after handling

7. HANDLING AND STORAGE

Handling: Food and drink should not be consumed, nor tobacco products used, nor cosmetics applied in areas where chemicals are stored or handled. Observe normal hygiene standards. Discharge according to local regulations. Remove and clean contaminated clothing. Handle and open the container with care.

Storage: Store in tightly closed containers. Keep container tightly closed. Meet the legal requirements. Keep away from: heat sources, combustible materials, acids, and metals. Storage temperature: see component label Avoid contact with open wounds and body fluids. Observe federal, state and local regulations.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below permissible air concentrations.

Eye/Face Protection: Use chemical safety goggles and/or full face shield where splashing of the solution is possible. Maintain eyewash fountain and quick drench facilities in the work area.

Skin Protection: Clothing such as gowns, aprons, or lab coats should be worn when working with this material. Protective gloves should be worn while handling materials and/or surfaces, which are potentially infectious.

Respiratory Protection: A NIOSH/MSHA approved respirator should be worn where airborne exposures may exceed OSHA/ACGIH exposure limits.

Other/General Protection: Hood, surgical caps, boots and shoe covers should be worn in areas with significant quantities of infectious materials.

LSA BEADS IN A PBS-BASED BUFFER

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>OSHA PEL-TWA</u>	<u>ACGIH-TWA TLV</u>	<u>ACGIH-STEL/CEIL (C)</u>
Sodium Azide Contains material from human origin, contains bovine proteins	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃

CONJUGATE CONCENTRATE

Sodium Azide Contains animal proteins	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃
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POSITIVE CONTROL SERUM

Sodium Azide Contains material from human origin	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃
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NEGATIVE CONTROL SERUM

Sodium Azide Contains material from human origin	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃
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LSA WASH BUFFER (LSA MIC)

Sodium Azide	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃
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WASH BUFFER (LSA I & II)

Sodium Azide Contains Bovine Proteins	26628-22-8	0.1%	N/A	N/A	C 0.11 as HN ₃ vapor C 0.29 as NaN ₃
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Liquid	Odor:	No data available
Odor threshold:	No data available	pH:	6-8
Melting point/freezing point:	No data available	Initial boiling point and boiling range:	No data available
Flash point:	No data available	Evaporation rate:	No data available
Flammability (solid, gas):	No data available	Vapor density:	No data available
vapor pressure:	No data available	Solubility(ies):	No data available
Relative density:	No data available	Partition coefficient: n-octanol/water:	No data available
Partition coefficient: n-octanol/water:	No data available	Upper/lower flammability or explosive limits:	No data available
Decomposition temperature:	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Keep away from metals and acids

Incompatibility: Halogenated hydrocarbon, Metals, Acids, Acid chlorides

Hazardous Decomposition Products: No hazardous decomposition products are formed in high quantities

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Hazardous Polymerization: Will not occur.
Possibility of Hazardous Reaction: Not determined.

11. TOXICOLOGICAL INFORMATION

Acute Effects: Harmful if swallowed. This product is manufactured from human blood and therefore must be considered to be capable of transmitting disease. The substance irritates the eyes, the skin and the respiratory tract. Exposure above Occupational Exposure Limits could cause effects on the nervous system.

Chronic Effects: No information found.

Listed Carcinogens: Not classified

12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Prevent soil and water pollution. Discharge according to local regulations

Aquatic toxicity

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

Other information

- WGK:1 (Classification based on the components as per Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect: No data available
- Effect on waster water purification: No data available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state, and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Patient samples, Negative Control Serum, Positive Control Serum, LSA Beads, Conjugate Concentrate and Wash Buffer solution are potentially infectious. They should be disposed of following established safety procedures and local regulations. All the kit components must be considered as hazardous waste. They should be disposed of following local regulations. Sodium azide reacts with lead and copper plumbing forming highly explosive metal azides.

14. TRANSPORT INFORMATION

UN ID Number:	N/A	Transport Hazard Class:	N/A
DOT Proper Shipping Name:	N/A	Packaging Group:	N/A

15. REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.	SARA Title III: Section 302: None
CERCLA Reportable Quantity: None	Section 312: None
Clean Air Amendments-Hazardous Air Pollutant (HAPS): None	Section 313: None
California State Proposition 65: None.	

CANADA: These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations and this SDS contains all information required by the Controlled Products Regulations.

16. OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data considered accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated.

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