Section 1 – Product and company identification

Product Name: RPR Carbon Antigen Test Kit

Product Code: 52027-100, 52027-500

Product Use: Reagent

Supplier: KSL Biomedical, Inc
55 Amherst Villa Road
Buffalo, NY 14225
International: 800.960.1080

Manufacturer: KSL Biomedical, Inc
55 Amherst Villa Road
Buffalo, NY 14225
International: 800.960.1080

Section 2 – Hazards Identification

OSHA Hazards

GHS Classification: None of the kit components are GHS classified – RPR Carbon Antigen or Human sera controls.

Reagent Classification: None

Pictogram: None

Signal Wording: None

Hazard statements: None

Precautionary statements:

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves.

P302+352: IF ON SKIN: Wash with plenty of water/and if any irritation persists seek medical attention.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321: Specific treatment (see instructions on this label).

P332+313: If skin irritation occurs: Get medical attention.

Other hazards: This product is not identified as a PBT/vPvB substance.

Section 3 -Information on Ingredients

Contains	CAS No.	EC-No.	Index-No.	Content	Applies to the following products	Classification
Carbon, Phosphate buffer, Detergent	N/A	N/A	N/A	Proprietary	RPR Carbon Antigen	N/A
Human Sera	N/A	N/A	N/A	N/A	Reactive Control, Minimal Reactive Control, Non-Reactive Control	N/A

Section 4- First Aid Measures

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical advice/attention.

If on skin (or hair): Wash immediately with plenty of soap and water. Seek medical attention if irritation persists and show container label. Always wash contaminated clothes before re-use.

If inhaled: Irritation is unlikely to occur but in the event of discomfort, provide plenty of fresh air and if necessary seek medical assistance.

If swallowed: Wash mouth with water, Consult a doctor.

Potential Acute / delayed health effects:

Eye contact: There may be irritation and redness. The eyes may water profusely.

Skin contact: There may be mild irritation at the site of contact.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion: There may be soreness and redness of the mouth and throat.

Notes to physician: Consult a physician. Show this safety data sheet to the physician in attendance.

Section 5 – Fire Fighting Measures

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Special hazards arising from the substance or mixture:

Exposure hazard: In combustion emits toxic fumes

Advice for fire fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6 – Accidental release measures

Person-related safety precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

Measures for environmental protection: Do not discharge into drains or rivers. Contain the spillage using bunding.

Measures for containment and cleaning: For small spills, clean up with paper/cloth, or mop up, and dispose of safely. Clean area of spillage down with plenty of water

Section 7 – Handling and Storage

Precautions for safe handling: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

Conditions for safe storage: Store between 2 deg C (35 F) and 8 deg C (46 F). Keep container lightly closed.

Human Derived Components: Each donor unit used in the preparation of this product has been tested by an FDA approved method and found non-reactive for the presence of HbsAg and antibody to HIV Virus. However, as no known test method can offer complete assurance that hepatitis B virus, HIV Virus, or other infectious agents are absent, all human serum products and patient specimens should be handled in accordance with good laboratory practices.

Other information:

Disposal: The preservative sodium azide may react with metal plumbing to form explosive metal oxides. In disposal, flush with a large volume of water to prevent metal azide build up.

Suitable packaging: Must only be kept in original packaging.

Section 8 – Exposure Controls and Personal Protection

Control parameters: **Workplace exposure limits:** No data available.

DNEL / PNEC No data available

Appropriate engineering controls: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Individual protection measures:

Eye / face protection: Safety glasses. Ensure eye bath is to hand.

Skin / hand protection: Protective gloves.

Body protection: Protective clothing.

Other skin protection: N/A

Respiratory protection: Respiratory protection not required.

Section 9 – Physical and Chemical Properties

Appearance: **RPR Carbon Antigen:** Liquid, Black. May separate during prolonged storage
Reactive Control: Liquid, yellow, medium opacity
Minimal Reactive Control: Liquid, light yellow, light opacity.
Non-Reactive Control: Liquid, clear, translucent.

Odor: Odorless

Odor threshold: N/A

pH: RPR Carbon Antigen: 6.9
Controls : N/A

Melting Point / freezing point: No Data Available

Boiling point / Boiling range: No Data Available

Flash point: No Data Available

Evaporation rate: No Data Available

Flammability (solid/gas): N/A

Upper / lower flammability or exposure limits: No Data Available

Vapor density: No Data Available

Vapor pressure: No Data Available

Relative density: RPR Carbon Antigen 1.02g/mL
Controls : N/A

Solubility in / Miscibility with water: No Data Available

Partition coefficient: No Data Available

Auto igniting: No Data Available

Decomposition temperature: No Data Available

Viscosity: non-viscous

Section 10 – Stability and Reactivity

Reactivity: Stable under recommended transport or storage conditions.

Chemical Stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Conditions to avoid: Save under storage conditions outlined in Section 7 of this SDS

Incompatible materials: Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products: In combustion emits toxic fumes

Hazardous polymerization: N/A

Section 11 – Toxicological Information

Acute toxicity: No information available

Skin corrosion / irritation: No information available

Serious eye damage / irritation: No information available

Respiratory or skin sensitization: No information available

Germ Cell mutagenicity: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Components	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
RPR Carbon Antigen	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Reactive Control	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Min. Reactive Control	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Non-Reactive Control	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive toxicity: No information available

Specific target organ toxicity (STOT) – single exposure: None known

Specific target organ toxicity (STOT) – repeated exposure: None known

Information on likely routes of exposure: No information available

Symptoms related to the physical, chemical and toxicological characteristics:

Inhalation: No information available

Ingestion: No information available

Skin contact: No information available

Eye contact: No information available

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure: No information available

Long term exposure: No information available

Effects of chronic exposure: No information available

Numerical measures of toxicity: No information available

Other information: The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

Section 12 – Ecological Information

Ecotoxicity: No data available

Bioaccumulative potential: No bioaccumulation potential.

Mobility in soil: Readily absorbed into soil

Other adverse effects: Negligible ecotoxicity

Section 13 – Disposal Considerations

Disposal methods: Dispose of in accordance with current legislation and local authority regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

NB: The preservative sodium azide may react with metal plumbing to form explosive metal oxides. In disposal, flush with a large volume of water to prevent metal azide build up.

Contaminated packaging: No data available

Special precautions: N/A

Section 14 – Transport Information

DOT (US) This product is not covered by international regulation on the transport of dangerous goods

IMDG: This product is not covered by international regulation on the transport of dangerous goods

IATA: This product is not covered by international regulation on the transport of dangerous goods

Transport / Additional Information: No special precautions

Section 15 – Regulations

US Toxic Substances Control Act: US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

SARA 313 Components: Not applicable

SARA 311 / 312 Hazards: See section 2 for more information

CERCLA Reportable Quantity: Not applicable

California Prop 65: This product does not contain any Proposition 65 chemicals

Section 16 – Other information

Symbols and indication of danger: None

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.