

### Section 1. Product and Company Identification

|                       |   |
|-----------------------|---|
| <b>Product Name</b>   | CD45RA (LCA); Clone 158-4D3 (Ready-To-Use)        |
| <b>Product Number</b> | A00123  |
| <b>Intended Use</b>   | Laboratory reagent.                               |
| <b>Manufacturer</b>   | ScyTek Laboratories, Inc.                         |
| <b>Address</b>        | 205 South 600 West<br>Logan, Utah 84321<br>U.S.A. |
| <b>Phone Number</b>   | 800-729-8350                                      |
| <b>Fax Number</b>     | 435-755-0015                                      |
| <b>Website</b>        | scytek.com  |

### Section 2. Hazards Identification

|                       |  |   |
|-----------------------|--|---|
| <b>HMIS (U.S.A.)</b>  | HEALTH   | 1 |
|                       | FLAMMABILITY   | 0 |
|                       | PHYSICAL HAZARD  | 0 |
|                       | PERSONAL PROTECTION  | B |
| <b>OSHA</b>           | This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  |   |
| <b>Warning!</b>       | EN: Harmful if swallowed.<br>DE: Gesundheitsschädlich beim Verschlucken.<br>FR: Nocif en cas d'ingestion.<br>IT: Nocivo per ingestione.<br>ES: Nocivo por ingestión. |   |
| <b>Classification</b> | Xn; R22  |   |

### Section 3. Composition and Information on Ingredients

| Name                 | CAS#       | EC#       | %     |
|----------------------|------------|-----------|-------|
| Water                | 7732-18-5  | 231-791-2 | ≥ 95  |
| Bovine Serum Albumin | 9048-46-8  | 9048-46-8 | ≤ 1.0 |
| Sodium Chloride      | 7647-14-5  | 7647-14-5 | ≤ 0.9 |
| Potassium Phosphate  | 7758-11-4  | 231-834-5 | ≤ 0.2 |
| Sodium Azide         | 26628-22-8 | 247-852-1 | <0.1  |

May contain additional non-hazardous proprietary ingredients.

May also contain additional active ingredients at concentrations <0.1%w/v.

### Section 4. First Aid Measures

**Eye Contact:** Immediately flush eyes with copious amounts of water and get immediate medical attention.

**Skin Contact:** Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms worsen.

**Ingestion:** Get immediate medical attention.

### Section 5. Fire Fighting Measures

|   |   |
|---|---|
| <b>Extinguishing Media</b>                | Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.                              |
| <b>Unusual Fire and Explosion Hazards</b> | No unusual fire or explosion hazards expected.  |
| <b>General Information</b>                | As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.) |

### Section 6. Accidental Release Measures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.  
Keep out of drains, sewers and waterways.

### Section 7. Handling and Storage

Avoid contact with skin and eyes.  
Wash thoroughly after handling.  
Store in well ventilated area.  
Keep container tightly closed.  
Avoid breathing vapor.  
Store at 2-8°C.

### Section 8. Exposure Controls / Personal Protection

|                             |   |
|-----------------------------|---|
| <b>Exposure Limits</b>      | N/A   |
| <b>Personal Protection</b>  | Chemical resistant gloves are required.<br>Safety glasses or goggles are required.<br>Avoid breathing vapor.  |
| <b>Engineering Controls</b> | Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits. |

### Section 9. Physical and Chemical Properties

|                             |           |
|-----------------------------|-----------|
| <b>Physical State</b>       | Liquid.   |
| <b>Color</b>                | Green.    |
| <b>Odor</b>                 | Odorless. |
| <b>pH</b>                   | 7.4 ±0.2  |
| <b>Molecular Weight</b>     | N/A       |
| <b>Vapor Pressure</b>       | N/A       |
| <b>Vapor Density</b>        | N/A       |
| <b>Evaporation Rate</b>     | N/A       |
| <b>Viscosity</b>            | N/A       |
| <b>Boiling Point</b>        | N/A       |
| <b>Freezing Point</b>       | N/A       |
| <b>Melting Point</b>        | N/A       |
| <b>Solubility</b>           | N/A       |
| <b>Solubility in Water</b>  | Soluble   |
| <b>Flash Point</b>          | N/A       |
| <b>Explosion Limits (%)</b> | N/A       |

### Section 10. Stability and Reactivity

|  |  |
|--|--|
| <b>Chemical Stability</b>                | Stable under normal temperatures and pressures.  |
| <b>Conditions to Avoid</b>               | Avoid contact with copper or lead plumbing. Flush plumbing with large amounts of water. Fire, static electricity, direct sunlight. |
| <b>Incompatible Materials</b>            | Strong acids, bases and oxidizers.   |
| <b>Hazardous Decomposition Materials</b> | May produce toxic fumes of carbon oxides, phosphorus oxides, and nitrogen oxides under fire conditions.                            |
| <b>Hazardous Polymerization</b>          | Not reported.  |

### Section 11. Toxicological Information

|                            |   |
|----------------------------|---|
| <b>Routes of Entry</b>     | Dermal contact. Eye contact. Inhalation. Ingestion.   |
| <b>Acute Toxicity</b>      | <b>Eye Contact:</b> May cause irritation and redness.<br><b>Skin Contact:</b> May irritate skin.<br><b>Ingestion:</b> May irritate gastrointestinal system.<br><b>Inhalation:</b> May irritate respiratory tract. |
| <b>Chronic toxicity</b>    | <b>Eye Contact:</b> Unknown.<br><b>Skin Contact:</b> Unknown.<br><b>Ingestion:</b> Unknown.<br><b>Inhalation:</b> Unknown.  |
| <b>Toxicity to Animals</b> | Not Available.  |
| <b>Special Remarks</b>     | This product contains Sodium Azide (<0.1%) as a preservative. While not considered hazardous at this level, use care in handling and disposal.  |

### Section 12. Ecological Information

|                                  |   |
|----------------------------------|---|
| <b>Ecotoxicity</b>               | No relevant studies identified.   |
| <b>Mobility</b>                  | No relevant studies identified.   |
| <b>Bio-accumulation</b>          | No relevant studies identified.   |
| <b>Persistence/Degradability</b> | No relevant studies identified.   |
| <b>Additional Remarks</b>        | This product contains Sodium Azide (<0.1%) as a preservative. While not considered hazardous at this level, use care in handling and disposal. May be harmful to aquatic organisms. |

### Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

### Section 14. Transport Information

|                             |  |
|-----------------------------|--|
| <b>DOT CRF 172.101 Data</b> | Not a DOT controlled material (United States). |
| <b>UN Shipping Name</b>     | N/A  |
| <b>UN Number</b>            | N/A  |
| <b>UN Class</b>             | N/A  |
| <b>UN Packing Group</b>     | N/A  |
| <b>Special Provisions</b>   | None.  |
| <b>Canada TDG</b>           | Not regulated.                                 |

**Section 15. Regulatory Information**

|  |   |
|--|---|
| <b>Federal and State Regulations</b>             | Not regulated.  |
| <b>Other Regulations</b>                         | N/A   |
| <b>EU Hazard Symbol and Indication of Danger</b> | <b>Xn; Harmful</b>  |
| <b>R phrases</b>                                 | <p><b>R22</b><br/>EN: Harmful if swallowed.<br/>DE: Gesundheitsschädlich beim Verschlucken.<br/>FR: Nocif en cas d'ingestion.<br/>IT: Nocivo per ingestione.<br/>ES: Nocivo por ingestión.</p> <p><b>R36/38</b><br/>EN: Irritating to eyes and skin.<br/>DE: Reizt die Augen und die Haut.<br/>FR: Irritant pour les yeux et la peau.<br/>IT: Irritante per gli occhi e la pelle.<br/>ES: Irrita los ojos y la piel.</p>  |
| <b>S phrases</b>                                 | <p><b>S24/25</b><br/>EN: Avoid contact with skin and eyes.<br/>DE: Berührung mit den Augen und der Haut vermeiden.<br/>FR: Éviter le contact avec la peau et les yeux.<br/>IT: Evitare il contatto con gli occhi e con la pelle.<br/>ES: Evítese el contacto con los ojos y la piel.</p> <p><b>S37/39</b><br/>EN: Wear suitable gloves and eye/face protection.<br/>DE: Bei der Arbeit geeignete Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen.<br/>FR: Porter des gants appropriés et un appareil de protection des yeux/du visage.<br/>IT: Usare guanti adatti e proteggersi gli occhi/la faccia.<br/>ES: Úsense guantes adecuados y protección para los ojos/la cara.</p> <p><b>S46</b><br/>EN: If swallowed, seek medical advice immediately and show this container or label.<br/>DE: Bei Verschlucken sofort ärztlichen Rat einholen und Verpackung oder Etikett vorzeigen.<br/>FR: En cas d'ingestion, consulter immédiatement un médecin et lui montrer l'emballage ou l'étiquette.<br/>IT: In caso d'ingestione consultare immediatamente il medico e mostrargli il contenitore o l'etichetta.<br/>ES: En caso de ingestión, acúdase inmediatamente al médico y muéstrele la etiqueta o el envase.</p> |

**Section 16. Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.