GENERAL SECTION

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers
   Product name: ANTI HUMAN C4d ANTIBODY (C4dpAb)
   Product Number: CAT. NO. BI-RC4D
   Brand: Biomedica Medizinprodukte GmbH

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses: IN-VITRO-DIAGNOSTIC IN EU (CE marked)

1.3. Details of the supplier of the data sheet
   Company: Biomedica Medizinprodukte GmbH, A-1210 Wien, Divischgasse 4
   Telephone: +43/1/291 07 45
   Fax: +43/1/291 07 85
   E-mail: info@bmgrp.com
   Prepared by: Biomedica Slovakia s.r.o., 84101 Bratislava, Drobneho 27

1.4. Emergency telephone number
   No data available.

1.5. Further information
   All reagents sold by BIOMEDICA must be handled only by qualified laboratory personal.
   All preservative substances used in our products are there in too low concentrations to
   constitute any danger and standard laboratory precautions should suffice for effective
   protection.
   Nonetheless, in the case of unusual exposure, the form(s), furnished in the appendix,
   provoke(s) all the necessary information.

1.6. Partition of section 2-16 of the data safety sheet in specific forms
   The following are hazardous substances present in this product:

<table>
<thead>
<tr>
<th>Hazardous substance</th>
<th>Substance part component, [Identification name of vial]</th>
<th>Quantity/concentration of (hazardous) substance</th>
<th>Material Safety data sheet [no.]</th>
<th>Page of this MSDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>anti-C4d Antibody</td>
<td>RC4D</td>
<td>0.1%</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>
SPECIFIC SECTION

Material safety data sheet no.1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifiers
Component name: anti C4d- Antibody
Component ID: RCD
Brand: Biomedica Medizinprodukte GmbH

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: IN-VITRO-DIAGNOSTIC IN EU (CE marked)

1.3. Details of the supplier of the data sheet
Company: Biomedica Medizinprodukte GmbH,
A-1210 Wien, Divischgasse 4
Telephone: +43/1/291 07 45
Fax: +43/1/291 07 85
E-mail: info@bmgrp.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
Skin sensitisation (Category 1), H317

2.2. Label elements
Labeling according Regulation (EC) No 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Hazard Pictogram</th>
<th>Signal word</th>
</tr>
</thead>
<tbody>
<tr>
<td>!</td>
<td>Warning</td>
</tr>
</tbody>
</table>

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
See section 3.2.

3.2. Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary formulation; no hazardous components above 1% or carcinogens above 0.1%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No. None</td>
<td>EINECS-No. none</td>
<td>Not classified</td>
</tr>
<tr>
<td>Proclin 950</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS-No.2682-20-4</td>
<td>EC-No. 220-239-6</td>
<td>H317</td>
</tr>
</tbody>
</table>

For the full text of the H-statements mentioned in this section, see section 16.
4. FIRST AID MEASURES

4.1. Description of the first aid measures
   **General advice**
   Consult a physician, show this safety data sheet to the doctor in attendance.

   **If inhaled**
   If breathed in, move person into fresh air. If not breathing, give artificial respiration.

   **In case of skin contact**
   Wash off immediately with soap and plenty of water.

   **In case of eye contact**
   Rinse thoroughly with plenty of water, also under the eyelids.

   **If swallowed**
   Never give anything by mouth to an unconscious person. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed
   No data available.

4.3. Indication of any immediate medical attention and special treatment needed
   No data available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media
   **Suitable extinguishing media**
   No restriction; use appropriate agent for surrounding fire.

5.2. Special hazards arising from the substance or mixture
   Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.

5.3. Advice for firefighters
   Wear self-contained breathing apparatus and protective suit.

5.4. Further information
   No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
   Use personal protective equipment.

6.2. Methods and materials for containment and cleaning up
   Soak up with inert absorbent material. Do not let product enter drains.

6.3. Reference to other sections
   No data available.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
   P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

7.2. Conditions for safe storage, including any incompatibilities
Keep in properly labeled containers; Store at 2-8°C, for long term at -25°C. VbF-Class: not applicable

7.3. Specific end uses
No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Components with workplace parameters
No data available.

8.2. Expose controls
Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

8.3. Personal protective equipment
Eye/face protection
Tightly fitting safety goggles.

Skin protection
Handle with chemical-resistance gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
a) Appearance form: liquid
b) Colour: clear
c) Odour: none
d) pH: 7.3 – 7.5
e) Melting point/freezing point: no data available.
f) Initial boiling point and boiling range: no data available
 g) Flash point: no data available.
h) Evaporation rate: no data available.
i) Flammability (solid, gas): no applicable.
j) Upper/lower flammability or explosive limits: no applicable.
k) Vapour pressure: no data available.
l) Vapour density: no data available.
m) Relative density: no data available.
n) Water solubility: complete.
9.2. Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Hazardous polymerization: will not occur.

10.2. Chemical stability

Chemically stable under recommended conditions of use and storage.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Though complete toxicity information on RC4D is not available, none of its components are known to be toxic or hazardous at used concentrations. No component of this product contains levels greater than or equal to 0.1% which is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

Skin corrosion/irritation
No data available.

Serious eye damage/eye irritation
No data available.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Specific target organ toxicity - single exposure
No data available.

Specific target organ toxicity - repeated exposure
No data available.

Aspiration hazard
No data available.
Additional information
not available

12. ECOLOGICAL INFORMATION

12.1. Toxicity
Though complete toxicity information on RC4D is not available, none of its components are known to be toxic or hazardous at used concentrations. No component of this product contains levels greater than or equal to 0.1% which is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

12.2. Persistence and degradability
No data available.

12.3. Bio-accumulative potential
No data available.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Product
Prevent product from entering drains. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1. UN number
Non-regulated, non-hazardous for transport.

14.2. UN proper shipping name
Non-regulated, non-hazardous for transport.

14.3. Transport hazard class(es)
Non-regulated, non-hazardous for transport.

14.4. Packaging group
Non-regulated, non-hazardous for transport.

14.5. Environmental hazards
No data available.

14.6. Reportable Quantity (RQ)
No data available.
14.7. Emergency Telephone Number (during transport)  
CHEMTREC: 1-800-424-9300 (US and Canada)  
1-703-527-3887 (International shipments)

14.8. Special precautions for user  
No data available.

15. REGULATORY INFORMATION  

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
No data available.

15.2. Chemical safety assessment  
No data available.

16. OTHER INFORMATION  

Text of H-code(s) mentioned in Section 3

<table>
<thead>
<tr>
<th>Classification</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
</tbody>
</table>

Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Biomedica Medizinprodukte GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.