CRTH2/DP2 Receptor (N-Term) Polyclonal Antibody

SAFETY DATA SHEET

1.1 Product Code: 10004886
Product Name: CRTH2/DP2 Receptor (N-Term) Polyclonal Antibody
Synonyms: Chemoattractant-receptor Homologous Molecule Expressed on Th2 Cells; DP2 Receptor; GPR44; Prostaglandin D2 Receptor 2;

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Relevant identified uses: For research use only, not for human or veterinary use.

1.3 Details of the Supplier of the Safety Data Sheet:

Company Name: Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI 48108
Web site address: www.caymanchem.com
Information: Cayman Chemical Company +1 (734)971-3335

1.4 Emergency telephone number:
Emergency Contact: CHEMTREC Within USA and Canada: +1 (800)424-9300
CHEMTREC Outside USA and Canada: +1 (703)527-3887

Section 2. Hazards Identification

2.1 Classification of the Substance or Mixture:
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2

2.2 Label Elements:

GHS Signal Word: Warning
GHS Hazard Phrases:
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.

GHS Precaution Phrases:
P264: Wash (hands) thoroughly after handling.
P280: Wear (protective gloves/protective clothing/eye protection/face protection).

GHS Response Phrases:
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:
Please refer to Section 7 for Storage and Section 13 for Disposal information.
2.3 Adverse Human Health Effects and Symptoms:

- Causes mild skin irritation.
- Causes serious eye irritation.
- Material may be irritating to the mucous membranes and upper respiratory tract.
- May be harmful by inhalation, ingestion, or skin absorption.
- May cause respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

### Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS # / RTECS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
<th>EC No./ EC Index No.</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>CRTH2/DP2 Receptor (N-Term) Polyclonal Antibody</td>
<td>0.0 -0.1 %</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>56-81-5 MA8050000</td>
<td>Glycerol</td>
<td>0.0 -50.0 %</td>
<td>200-289-5</td>
<td>NA</td>
</tr>
<tr>
<td>9048-46-8 MT6446000</td>
<td>Bovine Serum Albumin (BSA)</td>
<td>0.1 %</td>
<td>232-936-2</td>
<td>NA</td>
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<tr>
<td>26628-22-8 VY9050000</td>
<td>Sodium azide</td>
<td>0.02 %</td>
<td>247-852-1 011-004-00-7</td>
<td></td>
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<tr>
<td>7647-14-5 VZ4725000</td>
<td>Sodium chloride</td>
<td>0.8 %</td>
<td>231-598-3</td>
<td>NA</td>
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<tr>
<td>77-86-1 TY2900000</td>
<td>Trizma base</td>
<td>0.3 %</td>
<td>201-064-4</td>
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<tr>
<td>7732-18-5 ZC0110000</td>
<td>Water</td>
<td>48.68 -98.78 %</td>
<td>231-791-2</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Section 4. First Aid Measures

4.1 Description of First Aid Measures:

- **In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

- **In Case of Skin Contact:** Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

- **In Case of Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

- **In Case of Ingestion:** Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
## Section 5. Fire Fighting Measures

5.1 **Suitable Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

5.2 **Flammable Properties and Hazards:** Emits toxic fumes under fire conditions. Flash Pt: No data. 

5.3 **Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes. Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

## Section 6. Accidental Release Measures

6.1 **Protective Precautions:** Avoid breathing vapors and provide adequate ventilation.

6.2 **Environmental Precautions:** Take steps to avoid release into the environment, if safe to do so.

6.3 **Methods and Material For Containment and Cleaning:** Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

## Section 7. Handling and Storage

7.1 **Precautions To Be Taken in Handling:** Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

7.2 **Precautions To Be Taken in Storing:** Keep container tightly closed. Store in accordance with information listed on the product insert.

## Section 8. Exposure Controls/Personal Protection

### 8.1 Exposure Parameters:

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Partial Chemical Name</th>
<th>Britain EH40</th>
<th>France VL</th>
<th>Europe</th>
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<tr>
<td></td>
<td></td>
<td>STEL: ()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9048-46-8</td>
<td>Bovine Serum Albumin (BSA)</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>26628-22-8</td>
<td>Sodium azide</td>
<td>TWA: 0.1 mg/m3 ()</td>
<td>TWA: 0.1 mg/m3</td>
<td>TWA: 0.1 mg/m3</td>
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<tr>
<td></td>
<td></td>
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<td>Sodium chloride</td>
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<td>No data.</td>
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<tr>
<td>77-86-1</td>
<td>Trizma base</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
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<tr>
<td>7732-18-5</td>
<td>Water</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
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</tbody>
</table>

Multi-region format
SAFETY DATA SHEET
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8.2 Exposure Controls:

8.2.1 Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

8.2.2 Personal protection equipment:

Eye Protection: Safety glasses
Protective Gloves: Compatible chemical-resistant gloves
Other Protective Clothing: Lab coat
Respiratory Equipment: NIOSH approved respirator, as conditions warrant.

Work/Hygienic/Maintenance Practices: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling. No data available.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid
Appearance and Odor: Peptide affinity-purified IgG, lyophilized from TBS, pH 7.4
Melting Point: No data.
Boiling Point: No data.
Flash Pt: No data.
Evaporation Rate: No data.
Flammability (solid, gas): No data available.
Explosive Limits: LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (Water = 1): No data.
Solubility in Water: No data.
Autoignition Pt: No data.
Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [ ] Stable [ X ]

10.3 Stability Note(s): Stable if stored in accordance with information listed on the product insert.

10.4 Conditions To Avoid: No data available.

10.5 Incompatibility - Materials strong bases

To Avoid: strong oxidizing agents

10.6 Hazardous carbon dioxide

Decomposition or carbon monoxide

Byproducts:

Section 11. Toxicological Information

11.1 Information on Toxicological Effects: The toxicological effects of this product have not been thoroughly studied.

Glycerol - Irritation Data: Eyes (rabbit): 500 mg (24h) mild; Skin (rabbit): 500 mg (24h) mild;

Glycerol - Investigated as a mutagen, reproductive effector, and tumorigen.

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

Glycerol RTECS Number: MA8050000

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

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<th>CAS #</th>
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<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
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<td>n.a.</td>
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<td>Glycerol</td>
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<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
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<tr>
<td>7732-18-5</td>
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<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

Section 12. Ecological Information

12.1 Toxicity: Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative 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.
Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):
- DOT Proper Shipping Name: Not dangerous goods.
- DOT Hazard Class:
- UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):
- ADR/RID Shipping Name: Not dangerous goods.
- UN Number: Hazard Class:

14.3 AIR TRANSPORT (ICAO/IATA):
- ICAO/IATA Shipping Name: Not dangerous goods.
- Hazard Class:

Additional Transport Information:
- Transport in accordance with local, state, and federal regulations.

Section 15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
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<td>CRTH2/DP2 Receptor (N-Term) Polyclonal Antibody</td>
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<td>No</td>
<td>No</td>
</tr>
<tr>
<td>56-81-5</td>
<td>Glycerol</td>
<td>No</td>
<td>No</td>
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<tr>
<td>9048-46-8</td>
<td>Bovine Serum Albumin (BSA)</td>
<td>No</td>
<td>No</td>
<td>No</td>
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<tr>
<td>26628-22-8</td>
<td>Sodium azide</td>
<td>Yes 500 LB</td>
<td>Yes 1000 LB</td>
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<tr>
<td>7647-14-5</td>
<td>Sodium chloride</td>
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<td>Trizma base</td>
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<td>No</td>
<td>Yes-Cat. N106</td>
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<td>7732-18-5</td>
<td>Water</td>
<td>No</td>
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Other US EPA or State Lists

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<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Other US EPA or State Lists</th>
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<tbody>
<tr>
<td>NA</td>
<td>CRTH2/DP2 Receptor (N-Term) Polyclonal Antibody</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No</td>
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<td>56-81-5</td>
<td>Glycerol</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
</tr>
<tr>
<td>9048-46-8</td>
<td>Bovine Serum Albumin (BSA)</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
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<td>26628-22-8</td>
<td>Sodium azide</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
</tr>
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<td>Sodium chloride</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
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<td>Trizma base</td>
<td>CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
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<tr>
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<td>Water</td>
<td>CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No</td>
</tr>
</tbody>
</table>
Section 16. Other Information

Revision Date: 06/11/2015

Additional Information About This Product: No data available.

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