Safety Data Sheet
according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Designation / Trade name: MAb Anti GST-Eu cryptate - 5,000 tests 61GSTKLA
Version: US, Page 1 of 10, Revision date: 19/12/2018

Section 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Designation / Trade name: MAb Anti GST-Eu cryptate - 5,000 tests 61GSTKLA

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Use of the substance or mixture for Laboratory Research use only;

Uses advised against: Do not use for diagnostics, therapeutics or other clinical uses. ;

1.3 Details of the supplier of the safety data sheet:

Supplier:
Name: CISBIO BIOASSAYS - CBBIOA -
Address: Parc Marcel Boiteux - BP 84175 - 30200 Codolet, France
Phone : +33 4 66 9 67 05 - Fax: +33 4 66 79 67 50
E-Mail (competent person): msds@cisbio.com

1.4 EMERGENCY TELEPHONE NUMBER:

France - Numéro ORFILA (INRS) : + 33 (0)1 45 42 59 59
Ce numéro permet d'obtenir les coordonnées de tous les centres Anti-poison Français. Ces centres anti-poison et de toxicovigilance fournissent une aide médicale gratuite (hors coût d'appel), 24 heures sur 24 et 7 jours sur 7.

USA & Canada - Phone: 1-888-963-456 (1)
Other countries - Phone: +33 (0) 466 796 737 (2)
http://www.cisbio.com
(1) Available from Monday to Thursday 8:30 am to 5:30pm GMT-5 and Friday: 8:30 am to 3:00pm GMT-5
(2) Available from Monday to Friday 9:00 am to 5:30 pm GMT+2

Section 2 : Hazards identification

2.1 Classification of the substance or mixture:

<table>
<thead>
<tr>
<th>Classification in accordance with 29 CFR 1910 (OSHA HCS)</th>
<th>Category code</th>
<th>Hazard statement</th>
<th>Precautionary statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>The substance or mixture is not classified as hazardous in accordance with 29 CFR 1910 (OSHA HCS)</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

2.2 Label elements

Labelling according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

Product identifier:
Designation / Trade name: MAb Anti GST-Eu cryptate - 5,000 tests 61GSTKLA

Substances contained in this product:
Hazard and precautionary statements:

2.3 Other hazards
The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH. The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Adverse human health effects:

Section 3: Composition/information on ingredients

3.2 Mixtures
Hazardous ingredients:


Additional information:
Full text of H- and EUH-phrases: see SECTION 16.

Section 4: First aid measures

4.1 Description of first aid measures
General information: Do not leave affected person unattended. ; Remove affected person from the danger area and lay down. ;
Following inhalation: In case of respiratory tract irritation, consult a physician. ; Provide fresh air. ;
Following skin contact: After contact with skin, wash immediately with water ; Remove contaminated clothing; Following eye contact: After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. ;
Following ingestion: Do NOT induce vomiting. ; Give nothing to eat or drink. ; If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. ;
Self-protection of the first aider:

4.2 Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date. ;
Effects: 
4.3 **Indication of any immediate medical attention and special treatment needed**

Notes for the doctor:

Section 5: Firefighting measures

5.1 **Extinguishing media:**
Suitable extinguishing media: This product is not flammable. Use extinguishing agent suitable for type of surrounding fire;

5.2 **Special hazards arising from the substance or mixture**
Hazardous combustion products:

5.3 **Advice for fire-fighters**
Wear Protective clothing.;
Additional information:

Section 6: Accidental release measures

6.1 **Personal precautions, protective equipment and emergency procedures**
Emergency procedures: Provide adequate ventilation.; Emergency procedures: Remove persons to safety.; Personal precautions: Use personal protection equipment (see section 8).;

6.2 **Environmental precautions**
Do not allow to enter into surface water or drains.; Ensure all waste water is collected and treated via a waste water treatment plant.;

6.3 **Methods and material for containment and cleaning up**
For cleaning up: Suitable material for taking up: Absorbing material, organic;
Other information:

6.4 **Reference to other sections**
Additional information:

Section 7: Handling and storage

7.1 **Precautions for safe handling**
Protective measures:
Advice on safe handling: Avoid contact with skin, eyes and clothes.; Avoid: Eye contact; Avoid: Generation/formation of aerosols; Avoid: Skin contact; Avoid: Inhalation; In the immediate working surroundings there must be: Emergency shower installed; In the immediate working surroundings there must be: Provide eye shower and label its location conspicuously; Wash contaminated clothing immediately.;
Fire preventions:

Do not eat, drink or smoke in areas where reagents are handled.; Do not pipet by mouth; Wear suitable one-way gloves at work;
Advice on general occupational hygiene: Handle in accordance with good industrial hygiene and safety practice; Observe technical data sheet; Remove contaminated, saturated clothing; Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels: Keep container tightly closed; Keep-store only in original container or in properly labeled containers;
Hints on storage assembly:
Materials to avoid:
Further information on storage conditions:

7.3 Specific end uses:
Recommendations on specific end uses: Observe technical data sheet.

Section 8: Exposure controls/personal protection

8.1 Control parameters
Preliminary remark:

8.1.1 Occupational exposure limits:
- OSHA (USA)

8.1.2 DNEL/PNEC-values:
- DNEL worker
  - DNEL consumer
  - PNEC

8.2 Exposure controls
8.2.1 Appropriate engineering controls:
Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7
8.2.2 Personal protective equipment:
Eye / Face protection: Safety glasses with side-shields;
Skin protection: Gloves; Laboratory coats;
Respiratory protection: Ensure adequate ventilation;
Thermal hazards:
8.2.3 Environmental exposure controls:
Consumer exposure control
  Measures related to consumer uses of the substance (as such or in mixtures):
### Section 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Concentration (mol/L)</th>
<th>Method</th>
<th>Temperature (°C)</th>
<th>Pressure (kPa)</th>
<th>Remark</th>
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</thead>
<tbody>
<tr>
<td>pH</td>
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<td>Melting point (°C)</td>
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<td>Freezing point (°C)</td>
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<tr>
<td>Initial boiling point/bubbling range (°C)</td>
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<td>Flash point (°C)</td>
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<td>Evaporation rate (kg/m²/h)</td>
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<td>Flammability (type : %)</td>
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<tr>
<td>Upper/lower flammability or explosive limits</td>
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<td>Upper explosive limit (%)</td>
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<td>Lower explosive limit (%)</td>
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<td>Vapour pressure (kPa)</td>
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<td>Vapour density (g/cm³)</td>
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<tr>
<td>Densities</td>
<td>Density (g/cm³)</td>
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<td>Relative density (g/cm³)</td>
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<td>Bulk density (g/cm³)</td>
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<td>Critical density (g/cm³)</td>
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<td>Solubility (Type : ) (g/L)</td>
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<td>Partition coefficient (log Pow)</td>
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<td>n-octanol/water at pH :</td>
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<td>Auto-ignition temperature (°C)</td>
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<td>Decomposition temperature (°C)</td>
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<td>Decomposition energy : kJ</td>
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<tr>
<td>Viscosity</td>
<td>Viscosity, dynamic (poiseuille)</td>
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<td></td>
<td>Viscosity, cinematic (cm²/s)</td>
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<tr>
<td>Explosive properties</td>
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<td>Oxidising properties</td>
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</tbody>
</table>

#### Other information:

No other relevant data available

### Section 10: Stability and reactivity

#### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

#### 10.2 Chemical stability

#### 10.3 Possibility of hazardous reactions
10.4 Conditions to avoid:

10.5 Incompatible materials:

10.6 Hazardous decomposition products:
Does not decompose when used for intended uses.; Thermal decomposition can lead to the escape of irritating gases and vapors.;

Section 11: Toxicological information
Toxicokinetics, metabolism and distribution

11.1 Information on toxicological effects

Substances

- Acute toxicity

Animal data:
Acute oral toxicity:

Acute dermal toxicity:

Acute inhalative toxicity:

Practical experience / human evidence:
Assessment / Classification:
General Remark:

- Skin corrosion/irritation

Animal data:

In-vitro skin test method:
In-vitro skin test result:
Assessment / Classification:

- Eye damage/irritation

Animal data:

In-vitro eye test method:
In-vitro eye test result:
Assessment / Classification:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity:
Animal data:
Assessment / Classification:
  o Carcinogenicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:
  o Reproductive toxicity

Practical experience / human evidence:
Animal data:

Other information:
Assessment / Classification:

Overall assessment on CMR properties:
  • Specific target organ toxicity (single exposure)
    o STOT SE 1 and 2

Animal data:

Other information:
    o STOT SE 3

Practical experience / human evidence:

Other information:
Assessment / Classification:
  • Specific target organ toxicity (repeated exposure)

Practical experience / human evidence:
Animal data:

Assessment / Classification:
Other information
  • Aspiration hazard

Practical experience / human evidence:
Experimental data: viscosity data: see SECTION 9.
Assessment / Classification:
Remark:

11.1.1 Mixtures
No toxicological information is available for the mixture itself
Section 12 : Ecological information

In case that test data regarding one endpoint/differentiation exist for the mixture itself, the classification is carried out according to the substance criteria (excluding biodegradation and bioaccumulation). If no test data exist, the criteria for mixture classification has to be used (calculation method); in this case the toxicological data of the ingredients are shown.

12.1 Aquatic toxicity:
Acute (short-term) fish toxicity

Chronic (long-term) fish toxicity

Acute (short-term) toxicity to crustacea

Chronic (long-term) toxicity to crustacea

Acute (short-term) toxicity to algae and cyanobacteria

Toxicity to microorganisms and other aquatic plants / organisms

Assessment / Classification:

12.2 Persistence and degradability
Biodegradation:

Abiotic Degradation:

Assessment / Classification:

12.3 Bioaccumulative potential
Bioconcentration factor (BCF):

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects:

Additional ecotoxicological information:

Section 13 : Disposal considerations

13.1 Waste treatment methods
Waste treatment options:
Dispose of waste according to applicable legislation.

Other disposal recommendations:
Additional information:
## Section 14: Transport information

<table>
<thead>
<tr>
<th>ADR/RID/AND/IMDG/IATA</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN No.</td>
<td></td>
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<tr>
<td>UN Proper shipping name</td>
<td></td>
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<tr>
<td>Transport hazard class(es)</td>
<td></td>
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<tr>
<td>Hazard label(s)</td>
<td></td>
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<tr>
<td>Packing group</td>
<td></td>
</tr>
</tbody>
</table>

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

#### Land transport (ADR/RID)
- **Classification code ADR:**
- **Limited quantities for ADR/RID:**
- **Packing Instructions for ADR/RID:**
- **Special packing provisions for ADR/RID:**
- **Mixed packing provisions:**
- **Portable tanks and bulk containers Special Provisions:**
- **ADR Tank Code:**
- **Vehicle for tank carriage:**
- **Special provisions for carriage Bulk:**
- **Special provisions for carriage loading, unloading and handling:**
- **Special Provisions for carriage Operation:**

#### Sea transport (IMDG)
- **Marine Pollutant:**
- **Packing provisions for IMDG:**
- **Packing instructions for IMDG:**
- **IBC Provisions:**
- **UN tank instructions:**
- **Ems:**

#### Inland waterway transport (ADN)
- **Classification Code ADN:**
- **Limited quantities ADN:**
- **Carriage permitted:**
- **Provisions concerning loading and unloading:**
- **Provisions concerning carriage:**

#### Air transport (ICAO-TI / IATA-DGR)
- **Subsidiary risk for IATA:**
- **Passenger and Cargo Aircraft Limited Quantities Packing Instructions:**
- **Passenger and Cargo Aircraft Limited Quantities Maximal Net Quantity:**
- **Passenger and Cargo Aircraft Packaging Instructions:**
- **Passenger and Cargo Aircraft Maximal Net Quantity:**
- **Cargo Aircraft only Packaging Instructions:**
- **Cargo Aircraft only Maximal Net Quantity:**
- **ERG code:**
- **Special Provisions for IATA:**

### Transport category (Tunnel restriction code):
Section 15 : Regulatory information

15.1  Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2  Chemical Safety Assessment:
For the following substances of this mixture a chemical safety assessment has been carried out:

Section 16 : Other information

16.1  Indication of changes
Date of the previous version:
Modifications:

16.2  Abbreviations and acronyms:

16.3  Key literature references and sources for data

16.4  Classification for mixtures and used evaluation method according to Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)):
See SECTION 2.1 (classification).

16.5  Relevant R-, H- and EUH-phrases (number and full text):