### Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti asialo GM1 (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>014-09801</td>
</tr>
<tr>
<td><strong>CAS No</strong></td>
<td>N/A</td>
</tr>
</tbody>
</table>
| **Manufacturer** | FUJIFILM Wako Pure Chemical Corporation  
1-2 Doshomachi 3-Chome  
Chuo-ku, Osaka 540-8605, Japan  
Phone: +81-6-6203-3741  
Fax: +81-6-6203-5964 |
| **Supplier**     | FUJIFILM Wako Pure Chemical Corporation  
1-2 Doshomachi 3-Chome, Chuo-ku, Osaka 540-8605, Japan  
Phone: +81-6-6203-3741  
Fax: +81-6-6203-2029 |
| **Emergency telephone number** | +81-6-6203-3741 / +81-3-3270-8571 |
| **Recommended uses and restrictions on use** | For research purposes |
| **Announcement of company name change** | Company name has changed since April 1, 2018. Former name was “Wako Pure Chemical Industries, Ltd.” |

### Section 2: HAZARDS IDENTIFICATION

- **GHS classification**: Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)
- **Pictograms**: none
- **Hazard statements**: Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)
- **Precautionary statements-(Prevention)**: Not applicable
- **Precautionary statements-(Response)**: Not applicable
- **Precautionary statements-(Storage)**: Not applicable
- **Precautionary statements-(Disposal)**: Not applicable
- **Others**: Not available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Single Substance or Mixture**: Mixture
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight-%</th>
<th>Molecular weight</th>
<th>ENCS</th>
<th>ISHL No.</th>
<th>CAS No.</th>
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</thead>
<tbody>
<tr>
<td>Anti asialo GM1 (Rabbit)</td>
<td>=&lt;100</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A-01-0980</td>
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</tbody>
</table>

Impurities and/or Additives : Not applicable

**Section 4: FIRST AID MEASURES**

**Inhalation**
Remove to fresh air. If symptoms persist, call a physician.

**Skin contact**
Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

**Eye contact**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediate medical attention is required.

**Ingestion**
Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Do not induce vomiting without medical advice.

**Protection of first-aiders**
Use personal protective equipment as required.

**Section 5: FIRE FIGHTING MEASURES**

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable extinguishing media**
No information available

**Special extinguishing method**
No information available

**Specific hazards arising from the chemical product**
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Protection of fire-fighters**
Use personal protective equipment as required. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**
For indoor, provide adequate ventilation process until the end of working. Deny unnecessary entry other than the people involved by, for example, using a rope. While working, wear appropriate protective equipments to avoid adhering it on skin, or inhaling the gas. Work from windward, and retract the people downwind.

**Environmental precautions**
To be careful not discharged to the environment without being properly handled waste water contaminated.

**Methods and materials for contaminant and methods and materials for cleaning up**
Sweep up and gather scattered particles, and collect it in an empty airtight container.

**Recovery, neutralization**
No information available

**Secondary disaster prevention measures**
Clean contaminated objects and areas thoroughly observing environmental regulations.

**Section 7: HANDLING AND STORAGE**
Handling
Technical measures
Avoid contact with strong oxidizing agents. Use with local exhaust ventilation.

Precautions
Do not rough handling containers, such as upsetting, falling, giving a shock, and dragging. Prevent leakage, overflow, and scattering. Not to generate steam and dust in vain. Seal the container after use. After handling, wash hands and face, and then gargle. In places other than those specified, should not be smoking or eating and drinking. Should not be brought contaminated protective equipment and gloves to rest stops. Deny unnecessary entry of non-emergency personnel to the handling area.

Safety handling precautions
Use personal protective equipment as required.

Storage
Safe storage conditions
Store away from sunlight in a cool (2-10 °C) well-ventilated dry place.

Safe packaging material
vial

Incompatible substances
Strong oxidizing agents

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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls
In case of indoor workplace, seal the source or use a local exhaust system. Provide the safety shower facility, and hand- and eye-wash facility. And display their position clearly.

Exposure limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Personal protective equipment
Respiratory protection
Dust mask

Hand protection
Protection gloves

Eye protection
protective eyeglasses or chemical safety goggles

Skin and body protection
Long-sleeved work clothes

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form
Appearance
lyophilisate

Odor
No data available

pH
No data available

Melting point/freezing point
No data available

Boiling point, initial boiling point and boiling range
No data available

Flash point
No data available

Evaporation rate:
No data available

Flammability (solid, gas):
No data available

Upper/lower flammability or explosive limits
Upper : No data available

Lower : No data available

Vapour pressure
No data available

Vapour density
No data available

Specific Gravity / Relative density
No data available

Solubilities
water : soluble.

n-Octanol/water partition coefficient:(log Pow)
No data available

Auto-ignition temperature:
No data available

Decomposition temperature:
No data available

Viscosity (coefficient of viscosity)
No data available

Dynamic viscosity
No data available
Section 10: STABILITY AND REACTIVITY

Stability
- Stable under recommended storage conditions.

Reactivity
- No data available

Hazardous reactions
- None under normal processing

Conditions to avoid
- Extremes of temperature and direct sunlight

Incompatible materials
- Strong oxidizing agents

Hazardous decomposition products
- Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx)

Section 11: TOXICOLOGICAL INFORMATION

Acute toxicity
- No data available

Skin irritation/corrosion
- No data available

Serious eye damage/ irritation
- No data available

Respiratory or skin sensitization
- No data available

Reproductive cell mutagenicity
- No data available

Carcinogenicity
- No data available

Reproductive toxicity
- No data available

STOT-single exposure
- No data available

STOT-repeated exposure
- No data available

Aspiration hazard
- No data available

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity
- No information available

Other data
- No data available

Persistence and degradability
- No information available

Bioaccumulative potential
- No information available

Mobility in soil
- No information available

Hazard to the ozone layer
- No information available

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues
- Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated container and contaminated packaging
- Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION
<table>
<thead>
<tr>
<th><strong>ADR/RID</strong></th>
<th>Not regulated</th>
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</thead>
<tbody>
<tr>
<td><strong>UN number</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Proper shipping name:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>UN classification</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Subsidiary hazard class</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td></td>
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<tr>
<td><strong>Marine pollutant</strong></td>
<td>Not applicable</td>
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<tr>
<td><strong>IMDG</strong></td>
<td>Not regulated</td>
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<tr>
<td><strong>UN number</strong></td>
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</tr>
<tr>
<td><strong>Proper shipping name:</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td></td>
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<tr>
<td><strong>Marine pollutant (Sea)</strong></td>
<td>Not applicable</td>
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<tr>
<td><strong>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</strong></td>
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<tr>
<td><strong>IATA</strong></td>
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<td><strong>UN number</strong></td>
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<td><strong>Proper shipping name:</strong></td>
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<tr>
<td><strong>Packing group</strong></td>
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<tr>
<td><strong>Environmentally Hazardous Substance</strong></td>
<td>Not applicable</td>
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</table>

**Section 15: REGULATORY INFORMATION**

| **International Inventories** | |
| **EINECS/ELINCS** | - |
| **TSCA** | - |

| **Japanese regulations** | |
| **Fire Service Act** | Not applicable |
| **Poisonous and Deleterious Substances Control Law** | Not applicable |
| **Industrial Safety and Health Act Regulations for the carriage and storage of dangerous goods in ship** | Not applicable |
| **Civil Aeronautics Law** | Not applicable |
| **Pollutant Release and Transfer Register Law** | Not applicable |
| **Export Trade Control Order** | Not applicable |

**Section 16: OTHER INFORMATION**

| **Key literature references and sources for data etc.** | NITE: National Institute of Technology and Evaluation (JAPAN) | http://www.safe.nite.go.jp/japan/db.html |
| IATA dangerous Goods Regulations | RTECS:Registry of Toxic Effects of Chemical Substances |
| Japan Industrial Safety and Health Association GHS Model SDS | Dictionary of Synthetic Organic Chemistry , SSOCJ, Koudansha Scientific Co.Ltd. |
| Chemical Dictionary, Kyouritsu Publishing Co., Ltd. | etc |

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GHS Classification is according to JIS Z7252(2014). *JIS: Japanese Industrial Standards

Product information

You might get a product which indicates a former company name, during the period of transition.

End of Safety Data Sheet