**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

<table>
<thead>
<tr>
<th>Product name</th>
<th>2-(trans-4-Propylcyclohexyl)propane-1,3-diol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>323-30711,329-30713</td>
</tr>
<tr>
<td>CAS No</td>
<td>132310-86-2</td>
</tr>
<tr>
<td>Formula</td>
<td>C12H24O2</td>
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<tr>
<td>Manufacturer</td>
<td>FUJIFILM Wako Pure Chemical Corporation</td>
</tr>
<tr>
<td></td>
<td>1-2 Doshomachi 3-Chome</td>
</tr>
<tr>
<td></td>
<td>Chuo-ku, Osaka 540-8605, Japan</td>
</tr>
<tr>
<td></td>
<td>Phone: +81-6-6203-3741</td>
</tr>
<tr>
<td></td>
<td>Fax: +81-6-6203-5964</td>
</tr>
<tr>
<td>Supplier</td>
<td>FUJIFILM Wako Pure Chemical Corporation</td>
</tr>
<tr>
<td></td>
<td>1-2 Doshomachi 3-Chome</td>
</tr>
<tr>
<td></td>
<td>Chuo-ku, Osaka 540-8605, Japan</td>
</tr>
<tr>
<td></td>
<td>Phone: +81-6-6203-3741</td>
</tr>
<tr>
<td></td>
<td>Fax: +81-6-6203-2029</td>
</tr>
<tr>
<td>Emergency telephone number</td>
<td>+81-6-6203-3741 / +81-3-3270-8571</td>
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<tr>
<td>Recommended uses and</td>
<td>For research purposes</td>
</tr>
<tr>
<td>restrictions on use</td>
<td></td>
</tr>
<tr>
<td>Announcement of company name</td>
<td>Company name has changed since April 1, 2018. Former name was &quot;Wako Pure Chemical Industries, Ltd.&quot;</td>
</tr>
<tr>
<td>change</td>
<td></td>
</tr>
</tbody>
</table>

**Section 2: HAZARDS IDENTIFICATION**

**GHS classification**

Classification of the substance or mixture
Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Pictograms**
none

**Signal word**
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**

Other hazards
Not available

**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**Single Substance or Mixture**
Substance

**Formula**
C12H24O2

<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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<tr>
<td>2-(trans-4-Propylcyclohexyl)propane-1,3-diol</td>
<td>96.0</td>
<td>200.32</td>
<td>N/A</td>
<td>N/A</td>
<td>132310-86-2</td>
</tr>
</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**
Water spray (fog), Carbon dioxide (CO2), Foam, Extinguishing powder, Sand

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

**Recoverly, 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
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Storage
Safe storage conditions
- Storage conditions: Store away from sunlight in well-ventilated place at room temperature (preferably cool). Keep container tightly closed.

- Safe packaging material: Glass

- Incompatible substances: Strong oxidizing agents

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.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form
- Color: White - slightly brown
- Appearance: crystals or crystalline powder
- Odor: Odorless
- pH: No data available
- Melting point/freezing point: 62.8 °C
- 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: No data available
- Upper: No data available
- Lower: No data available
- Vapour pressure: No data available
- Vapour density: No data available
### Section 10: STABILITY AND REACTIVITY

#### Stability

- **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)

### 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

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</thead>
<tbody>
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<tr>
<td>Proper shipping name:</td>
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<tr>
<td>UN classification</td>
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<tr>
<td>Subsidiary hazard class</td>
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</tr>
<tr>
<td>Packing group</td>
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</tr>
<tr>
<td>Marine pollutant</td>
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</table>

<table>
<thead>
<tr>
<th>IMDG</th>
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<tbody>
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<td>UN number</td>
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<tr>
<td>UN classification</td>
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<tr>
<td>Subsidiary hazard class</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>Marine pollutant (Sea)</td>
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<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
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</table>

<table>
<thead>
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<tbody>
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<td>UN classification</td>
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<td>Packing group</td>
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### Section 15: REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>International Inventories</th>
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<tr>
<td>EINECS/ELINCS</td>
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<td>TSCA</td>
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</table>

<table>
<thead>
<tr>
<th>Japanese regulations</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fire Service Act</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Poisonous and Deleterious Substances Control Law</td>
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</tr>
<tr>
<td>Industrial Safety and Health Act Regulations for the carriage and storage of dangerous goods in ship</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Civil Aeronautics Law</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Pollutant Release and Transfer Register Law</td>
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</tr>
<tr>
<td>Export Trade Control Order</td>
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</table>

### 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
Chemical Dictionary, Kyoritsu Publishing Co., Ltd.

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