1. PRODUCT AND COMPANY IDENTIFICATION

**Product name**: PIA JXPI00T

**Recommended use of the chemical and restrictions on use**

**Recommended use**: Raw material for industry

**Restrictions on use**: No data available

**Manufacturer or supplier's details**

**Company**: Lotte Chemical Corporation

**Address**: Lotte World Tower, 300, Olympic-ro, Songpa-gu, Seoul, 05551 Rep. of KOREA

**Emergency telephone number**
- Head-Office: 82-2-829-4192
- Yeosu Plant: 82-61-688-2021
- Daesan Plant: 82-41-689-5800
- Ulsan Plant: 82-52-278-3421

2. HAZARDS IDENTIFICATION

**GHS Classification**

No data available

This material is not classified as hazardous under the Article 39 Paragraph 1 of the Industrial Safety and Health Act (ISHA). It is not regulated for the MSDS creation and labeling by the provision of Article 41 Paragraph 1 of the ISHA.

**GHS label elements**

This material is not classified as hazardous under the Article 39 Paragraph 1 of the Industrial Safety and Health Act (ISHA). It is not regulated for the MSDS creation and labeling by the provision of Article 41 Paragraph 1 of the ISHA.

**Other hazards which do not result in classification**

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Components**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>isophthalic acid</td>
<td>isophthalic acid</td>
<td>121-91-5</td>
<td>&gt;= 95 ~ &lt;= 100</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

In case of skin contact : No data available

If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Protection of first-aiders : No data available

Notes to physician : No data available

5. FIREFIGHTING MEASURES

Suitable and unsuitable extinguishing media

Suitable extinguishing media : No data available

Unsuitable extinguishing media : High volume water jet

Specific hazards during firefighting : No data available

Hazardous combustion products : No data available

Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Neutralize with chalk, alkali solution or ammonia. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling: Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid: Do not store near acids.

Recommended storage temperature: No data available

Storage period: No data available

Packaging material: No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Engineering measures: No data available

Personal protective equipment

Eye protection: Eye wash bottle with pure water Tightly fitting safety goggles

Hand protection
Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection: Dust impervious protective suit
Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

Hygiene measures: When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: solid
Colour: white
Odour: odourless
pH: 3.5
Melting point/freezing point: 345 °C
Flammability (solid, gas): The product is not flammable.

Upper/Lower explosion limit
Solubility(ies)
  Water solubility: 120 mg/l (25 °C)

Relative density: 1.53 (4 °C)
Density: 1.53 g/cm³ (25 °C)
Molecular weight: 166.13 g/mol

10. STABILITY AND REACTIVITY

Chemical stability and possibility of hazardous reactions: No decomposition if stored and applied as directed.

Conditions to avoid: No data available
Incompatible materials: No data available
Hazardous decomposition products: No data available
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: No data available

Health hazard information

Acute toxicity

Product:
Acute oral toxicity: LD50 (Rat): 10,900 mg/kg
Acute inhalation toxicity: LC50 (Rat): 11,370 mg/m³
Exposure time: 4 h
Test atmosphere: dust/mist

Skin corrosion/irritation

Product:
Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product:
Species: Rabbit
Result: No eye irritation
Exposure time: 14 d
Method: OECD Test Guideline 405
Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
Remarks: Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation
No data available

Carcinogenicity
No data available

Germ cell mutagenicity

Product:
Genotoxicity in vitro: Test Type: reverse mutation assay
Result: negative

Reproductive toxicity

Product:
Effects on fertility: Species: Rat
Application Route: Inhalation
Symptoms: No effects on embryofetal and postnatal development. Result: Animal testing did not show any effects on fertility.

STOT – single exposure
No data available

STOT – repeated exposure
No data available

Aspiration toxicity
No data available

Further information

Product:
Remarks: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

Product:
Additional ecological information: No data available

Hazardous to the ozone layer
Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Disposal precautions
Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

UN number : Not applicable
Proper shipping name : Not applicable
Class : Not applicable
Subsidiary risk : Not applicable
Packing group : Not applicable
Labels : Not applicable
EmS Code : Not applicable
Marine pollutant : Not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations
Refer to section 15 for specific national regulation.

Special precautions for user
Remarks : Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

National regulatory information

Regulation under the Occupational Safety and Health Act
Harmful Substances Prohibited from Manufacturing
Not applicable
Harmful Substances Required Permission for Manufacture
Not applicable
Hazardous substances requiring management
Not applicable
Controlled Substances Subject to Environment Monitoring
Not applicable
Controlled Substances Subject to Health Examination
Not applicable

Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals
Not applicable

Restricted Chemicals
Not applicable

Prohibited Chemicals
Not applicable

Toxic Release Inventory
Not applicable

Accident Precaution Chemicals
Not applicable

Dangerous Substances Safety Management Act
Not Applicable to Dangerous Materials

Wastes Control Act
Industrial waste
Follow article 13 of the act to dispose the product waste

Other requirements in domestic and other countries
No data available

16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet: No data available

Revision number and date
Number of Revision: 1.8
Revision Date: 2017/10/18
Other information: No data available
Date format: yyyy/mm/dd

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