

## 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.

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.

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

Chemical name	Common Name	CAS-No.	Concentration (%)
isophthalic acid	isophthalic acid	121-91-5	>= 95 ~ <= 100

**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	: None known.
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 work place.
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	: odour less
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/cm <sup>3</sup> (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. No decomposition if stored and applied as directed. 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/m<sup>3</sup>  
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 embryofoetal 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 : No data available  
to compile the Safety Data  
Sheet

**Revision number and date**

Number of Revision : 1.8

Revision Date : 2017/10/18

Other information : No data available

Date format : yyyy/mm/dd

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, use, processing, storage, transportation, disposal and release 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.