

**Safety Data Sheet (ISO form)**

Date Prepared 2018/03/05

**1.Product and Company Identification**

Product Name : UR311B  
Company Name : POMA INDUSTRIAL(SHANGHAI) CO.,LTD.  
Department : Corporate Environment Division  
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**2.Composition/Information on Ingredients**

Substance or Preparation  
Preparation

Chemical Nature

Ingredients	CAS.No.	Contents(%)
Polyethylene Terephthalate	25038-59-9	74
Polyester Resin	Confidential	7
Polyolefine Delivative	Confidential	5
Wax	Confidential	7
Silicone Resin	Confidential	3
Modified Ethylene Co-polymer	Confidential	2
Carbon Black	1333-86-4	2

**3.Hazards Identification (Most Important Hazard)**

Adverse Human Health Effects

Not applicable in normal use.

Carcinogenicity

Carbon Black was reclassified as a Group 2B by IARC in 2003 based on the result of only the inhalation study in rats. However there was not observed the incidence of tumors on the test results on dermal or oral studies. There will be no possibility to inhale the carbon black which will not be released from the product as a fine powder.

Environmental Effects

Not applicable in normal use.

Physical and Chemical Hazards

Not applicable in normal use.

The Classification of The Chemical Product

Not applicable

## 4. First-Aid Measures

### Inhalation

**Not applicable.**

### Skin Contact

**Not skinsensitive in normal use.**

### Eye Contact

**Immediately wash eyes with large amounts of water. If unsuccessful, get medical attention.**

### Ingestion

**Induce vomiting. Seek medical attention immediately.**

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## 5. Fire-Fighting Measures

### Extinguishing Media

**CO<sub>2</sub>, dry chemicals, foam or water.**

### Specific Method

**No special fire protecting method is required.**

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## 6. Accidental Release Measures

### Personal Precautions

**Not applicable**

### Environment Precautions

**Not applicable**

### Methods for Cleaning Up

**Not applicable**

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## 7. Handling and Storage

### Handling (technical measures, precautions, safe handling material)

**Avoid chemicals, water and fire**

### Storage (technical measures, storage conditions, packaging material)

**Store in cool and dry place avoiding sunshine.**

2018/03/09)

## 8.Exposure Controls/Personal Protection

### Respiratory Protections

**None required under normal conditions of use.**

### Hand Protection

**None required under normal conditions of use.**

### Eye Protection

**None required under normal conditions of use.**

### Skin and Body Protection

**None required under normal conditions of use.**

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## 9.Physical and Chemical Properties

### Physical State

Form : **Ribbon**

Color : **Black**

Odour : **No odor**

### Information

pH : **not applicable** Measuring Temp.(-C) : -

Boiling Point(-C) : **not applicable**

Flash Point(-C) : **not available**

Explosion Properties(-C) : **This product is considered a nonexplosive material under normal use condition.**

Vapor Pressure(Pa) : **not applicable** Measuring Temp.(-C) : -

Vapor Density(AIR=1) : **not applicable**

Density ( $\rho$ /cm<sup>3</sup>) : **not available** Measuring Temp.(-C) : -

### Solubility

Water Solubility( $\rho$ /L) : **Insoluble**

Water Solubility Measuring Temp.(-C) : -

Other Solvent name : -

Other Solvent Solubility( $\rho$ /L) : -

Other Solvent Solubility Measuring Temp.(-C): -

### Octanol/Water Partition Coefficient

**not known**

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## 10.Stability and Reactivity

### Conditions to Avoid

**Not applicable in normal use.**

### Materials to Avoid

**Not applicable in normal use.**

### Hazardous Decomposition Products

**Decomposition product will not occur**

## 11. Toxicological Information

### Acute Toxicity

#### Acute Oral Toxicity

Rat:  $\geq 2000$ mg/kg

#### Acute Dermal Toxicity

: not available

#### Acute Inhalation Toxicity

: not applicable

### Sensitization

Acute Skin Irritation(PII) : non-irritant

Acute Eye Irritation : not applied

Acute Allergenic Effects : non-skinsensitive

### Specific Effects

#### Carcinogenicity:

In 2003 IARC reevaluated Carbon Black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, 2-years cancer bioassay using a typical toner preparation containing carbon black did not demonstrate an association between toner exposure and tumor development in rats.

Mutagenicity: negative

Effects on The Reproductive System: No data is available on this product.

Teratogenic : not available

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## 12. Ecological Information

Persistence/Degradability: not known

### Bioaccumulation

not available

### Ecotoxicity

Acute Toxicity for Fish (LC50) : not available (mg/kg/96hr)

Acute Toxicity for Daphnia (EC50) : not available (mg/kg/48hr)

Algae Inhibition Test (IC50) : not available (mg/kg/72hr)

## 13. Disposal Consideration

### Recommended Methods for Safe Environmentally Preferred Disposal

Used ribbon should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations.

## 14. Transport Information

### International Regulations

RID/ADR: **not applicable**

DOT 49 CFR: **not applicable**

ADNR : **not applicable**

IMDG Code : **not applicable**

ICAO-TI/IATA-DGR : **not applicable**

The UN Classification Number : **not applicable**

### Specific Precautionary Transport Measures

**Store in cool and dry place.**

### Specific Materials to Avoid

**None in normal use.**

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## 15. Regulation Information

### Regulations

**Not known**

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## 16. Other Information

### References:

IARC(2003) "IARC Monograph on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol.65, Printing Process and Printing Inks, Carbon Black and Some Nitro Compounds", Lyon, pp149-261