

**Safety Data Sheet (ISO form)**

Date Prepared 2022/03/09

**1.Product and Company Identification**

Product Name : UR412  
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	65
Polyester Resin	Confidential	7
Polyolefine Delivative	Confidential	5
Wax	Confidential	5
Silicone Resin	Confidential	6
Modified Ethylene Co-polymer	Confidential	3
Carbon Black	1333-86-4	9

**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 2005 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**

**CO2,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.**

## 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 ( g /cm<sup>3</sup>) : not available Measuring Temp.(- C) : -

### Solubility

Water Solubility( g /L) : Insoluble

Water Solubility Measuring Temp.(- C) : -

Other Solvent name : -

Other Solvent Solubility( g /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 :  $\geq 2500$ 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 2005 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(2005) "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