

Safety Data Sheet (ISO form)

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1. Product and Company Identification

Product Name : UR312
Company Name : POMA INDUSTRIAL(SHANGHAI) CO.,LTD.
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2. Composition/Information on Ingredients

Substance or Preparation
Preparation

Chemical Nature

Ingredients	CAS.No.	Contents(%)
Polyethylene Terephthalate	25038-59-9	75
Polyester Resin	Confidential	7
Polyolefine Delivative	Confidential	7
Wax	Confidential	5
Silicone Resin	Confidential	2
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 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.

5. Fire-Fighting Measures

Extinguishing Media

CO₂, dry chemicals, foam or water.

Specific Method

No special fire protecting method is required.

6. Accidental Release Measures

Personal Precautions

Not applicable

Environment Precautions

Not applicable

Methods for Cleaning Up

Not applicable

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.

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 (ρ /cm³) : not available Measuring Temp.(-C) : -

Solubility

Water Solubility(ρ /L) : Insoluble

Water Solubility Measuring Temp.(-C) : -

Other Solvent name : -

Other Solvent Solubility(ρ /L) : -

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

Octanol/Water Partition Coefficient

not known

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: $\geq 2500\text{mg/kg}$

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

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.

15. Regulation Information

Regulations

Not known

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