

## EC - SAFETY DATA SHEET

Product identification

### 1. Product identification and manufacturer

#### 1.1 Product information

Commercial product name : **Carbon Feather X1B**  
**( 25  $\mu$  m , 38  $\mu$  m , 50  $\mu$  m , 75  $\mu$  m )**

#### 1.2

**Manufacturer's name**      **Suppliers's name**

Manufacturer / Supplier  
Addressee

KIMOTO CO., LTD.  
4-6-35 Suzuya Chuo-ku  
Saitama-shi Japan

Telephone / Telefax  
Informations

Phone 81-48-853-3381  
Fax 81-48-853-9041

#### 1.2 Emergency phone numbers

Emergency phone no. CH  
Emergency Phone 81-3-3350-0641

### 2. Product description

#### 2.1 Chemical composition

CAS-No	EC-No.	Identification	Prop.(%)	Code	R-Codes
25038-59-9		PET	61 ~ 83		
		Acrylic Resin	11 ~ 26		
		Wax	4 ~ 7		
		Carbon Black	4 ~ 6		
7631-86-9		Silica	<1		

#### Further information

PET=Polyethylene terephthalate

### 3. Potential dangers

#### 3.1 Human being

Fear of physical hurt on eye or skin with film edge or corner.

#### 3.2 Environmental

No data.

### 4. First aid - Measures

#### 4.1 Inhalation

Move to fresh air and consult a doctor.

#### 4.2 Skin contact

Not Applicable. Wash with soap and water.

#### 4.3 Eye contact

Immediately flush eye with plenty of water and consult a doctor.

#### 4.4 Ingestion

Consult a doctor.

## EC - SAFETY DATA SHEET

Product identification

### 5. Measures in case of fire

- 5.1 **Suitable extinguish media** : Water, Dry chemical, CO<sub>2</sub>, Form
- 5.2 **Not to be used as extinguishing media** : None.
- 5.3 **Unusual fire / explosion hazards or hazardous decomposition products** :  
Thermal decomposition may produce carbon monoxide, carbon dioxide.
- 5.4 **Special protective equipment for fire combat**  
None.

### 6. Measures in case of accidental release

- 6.1 **Human related safety purposes**  
No special countermeasure required.  
See 8.3 "Personal protective equipment"
- 6.2 **Environmental protection measures and cleaning**  
No special countermeasure required.

### 7. Handling and Storage procedures

- 7.1 **Handling**
- 7.1.1 Information for secure handling  
No special handling required.
- 7.1.2 Information for fire and explosion protection  
Keep away from open flame.
- 7.2 **Storage**
- 7.2.1 Requirements on storage rooms and containers  
No special storing required. Keep away from open flame.
- 7.2.2 Incompatible products  
Strong oxidizing agents.
- 7.2.3 Further information / Storage classification  
Not Applicable.

## EC - SAFETY DATA SHEET

Product identification

### 8. Working place safety and personal protective equipments

#### 8.1 Additional hints for design of working places

Prepare personal protective equipment, see 8.3

Whole ventilation system or spot exhaust.

#### 8.2 Substances with working place related limits, to be controled

CAS-No.	Characterization	Type	Value	Unit
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#### 8.3 Personal protective equipments

8.3.1 Industrial hygiene and general protectiv measurements

No special working hygiene measures require.

8.3.2 Respiratory protection

Not required.

8.3.3 Hand protection

Wear glove in necessary.

8.3.4 Eye protection

Wear protective glasses in necessary.

8.3.5 Body protection

Not required.

### 9. Physical and Chemical Properties

#### 9.1 Appearance

9.1.1 <b>Form</b>	Solid(Film)	9.1.2 <b>Colour</b>	Black	9.1.3 <b>Odour</b>	Odourless
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#### 9.2 Safety related informations (Polyester film)

9.2.1 Boiling point/range	(°C)	N.A.	Melting point/range	(°C)	260
9.2.2 Flash point	(°C)	390 ~ 400	in closed melting pot	(°C)	
9.2.3 pH-Value, conc.		N.A.	pH-Value, 1% in water		N.A.
9.2.4 Inflammability(EG A10/A13)					
9.2.5 Ignition temperature	(°C)	485 ~ 560			
9.2.6 Self ignition (EGA16)		N.A.			
9.2.7 Fire supporting characteristics					
9.2.8 Danger of explosion		N.A.			
9.2.9 Explosion limits (Vol % lower)		N.A.	(Vol % upper)		N.A.
9.2.10 Thermal decomposition	(°C)	No data			

#### 9.3 Other characterisitcs

9.3.1 Density	(g/ml)	1.4 (20°C)
9.3.2 Solubility		water: Insoluble
9.3.3 Vapor pressure	(mbar)	N.A.
9.3.4 Vapor density	(Air = 1)	N.A.
9.3.5 Distribution coefficient n-Octanol/H2O		N.A.
9.3.6 Viscosity (20°C, cps)		N.A.
9.3.7 Solvent separation test		N.A.
9.3.8 Solvent concentration (Gew. %)		N.A.
9.3.9 Evaporation number		N.A.
9.3.10 Chem. Oxygen Demand COD	(mg/l)	N.A.
9.3.11 Biochem. Oxygen demand BOD5	(mg/l)	N.A.

## EC - SAFETY DATA SHEET

Product identification

### 10. Stability and Reactions

#### 10.1 Conditions to avoid

Flame, Direct sunshine, High temperature, High humidity

#### 10.2 Substances to keep away from

Strong oxidizing agents.

#### 10.3 Hazardous decomposition products

None in normal condition.

### 11. Information on toxicity

#### 11.1 Acute toxicity

Not Applicable.

#### 11.2 Subacute to chronic toxicity

Not Applicable.

#### 11.3 Experience on human being / other informations

No data.

### 12. Information on ecological effects

#### 12.1 Information about degradation

No data.

#### 12.2 Influence on biological sewage treatment plants

No data.

#### 12.3 Other information

### 13. Disposal

#### 13.1 Recommendation for product rests

Dispose in compliance with applicable local, county, state or federal regulations regarding health and environment.

#### 13.2 Recommendation for contaminated packing material

Dispose in compliance with applicable local, county, state or federal regulations regarding health and environment.

### 14. Information on transport

#### 14.1 Transport on road

ADR/RID/GGVS/GGVE class

No/Letter

Not Applicable.

Correct technical declaration

#### 14.2 Transport by ship

IMDG / GGVSea-class

UN-No. :

Not Applicable.

EmS-No

MFAG :

Marine pollutant :

Correct technical declaration

#### 14.3 Air transport

ICAO / IATA - Class

UN / ID-No. :

Not Applicable.

Correct technical declaration

Aqueous suspension of carbon

## EC - SAFETY DATA SHEET

Product identification

### 15. Regulations

#### 15.1 Declaration

Safety symbols  
Compounds

Safety declaration

#### R-codes

Not Applicable.

#### S-codes

Not Applicable.

#### Special declarations

#### 15.2 National declarations

### 16. Further Informations

These informations are based on the knowledge and experience made until the date of the elaboration of this document, without any guarantee related to the products characteristics