

EC - SAFETY DATA SHEET

Product identification

No.E274-002M

1. Product identification and manufacturer**1.1 Product information**Commercial product name : **Carbon Feather 188X1B****1.2****Manufacturer's name****Suppliers's name**Manufacturer / Supplier
AddresseeKIMOTO CO., LTD.
4-6-35 Suzuya Chuo-ku
Saitama-shi JapanTelephone / Telefax
InformationsPhone 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	92 ~ 93		
		Acrylic Resin	5 ~ 6		
		Wax	1 ~ 2		
		Carbon Black	1 ~ 2		
7631-86-9		Silica	< 0.2		

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.

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5. Measures in case of fire

- 5.1 Suitable extinguish media :** Water, Dry chemical, CO₂, 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.

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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 controlled

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 Form	Solid(Film)	9.1.2 Colour	Black	9.1.3 Odour	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.

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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 polluant :

Correct technical declaration

14.3 Air transport

ICAO / IATA - Class

UN / ID-No. :

Not Applicable.

Correct technical declaration

Aqueous suspension of carbon

15. Regulations

15.1 Declaration

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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