

**SAFETY DATA SHEET**

Date of preparation: 23/05/2011

**1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier**  
 Product Name **DiaFellow DM-KT.**  
 CAS No. Polymer.  
 EINECS No. Polymer.  
 REACH Registration No. None assigned.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified use(s) **To absorb oil.**  
 Uses advised against None known.
- 1.3 Details of the supplier of the Safety Data Sheet**  
 Manufacturer Mitsubishi Rayon Co., Ltd  
 6-41, Konan 1-chome, Minato-ku, Tokyo 108-8506, Japan.  
 Aqua Technology Administration Dept.  
 Telephone + 81-3-5495-3289.  
 Fax + 81-3-5495-3208.  
 E-Mail (competent person) Tanaka\_ma@mrc.co.jp
- 1.4 Emergency telephone number**  
 Emergency Phone No. +81-3-5495-3289 (0900 – 1700 Japan office hours only).

**2. SECTION 2: HAZARDS IDENTIFICATION**

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Not classified as dangerous for supply/use.
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC** Not classified as dangerous for supply/use.
- 2.2 Label elements** According to Regulation (EC) No. 1272/2008 (CLP)
- Product Name **DiaFellow DM-KT.**  
 Hazard Pictogram None.  
 Signal word(s) None.  
 Hazard statement(s) None.  
 Precautionary statement(s) None.
- 2.3 Other hazards** None.

**3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**
**3.1 Mixture**

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Class and Category Code(s)	Hazard Statement Code(s)
Poly(ethylene)	40 - 50	9002-88-4	200-815-3	-	-	-
Barium sulfate	40 - 50	7727-43-7	231-784-4	-	-	-
Silica gel, crystal-free	0 - 5	112926-00-8	-	-	-	-

**SAFETY DATA SHEET**

Date of preparation: 23/05/2011

**4. SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

<b>Eye Contact</b>	<b>Do not rub eyes.</b> Immediately flush eyes for at least 15 minutes. Get immediate medical attention.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth. Get medical advice/attention if you feel unwell.

**4.2 Most important symptoms and effects, both acute and delayed**

None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

Unlikely to be required but if necessary treat symptomatically.

**5. SECTION 5: FIRE-FIGHTING MEASURES****5.1 Extinguishing Media**

<b>Suitable Extinguishing Media</b>	Extinguish with waterspray.
<b>Unsuitable Extinguishing Media</b>	None known.

**5.2 Special hazards arising from the substance or mixture**

None known.

**5.3 Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**6. SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective gloves/eye protection/face protection. See Section: 8.

**6.2 Environmental precautions**

No special requirements.

**6.3 Methods and material for containment and cleaning up**

Use vacuum equipment for collecting spilt materials, where practicable.

**6.4 Reference to other sections**

See Section: 8 and 13.

**7. SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Provide adequate ventilation. Wash hands thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated place. Keep container tightly closed.

<b>Storage Temperature</b>	<50°C.
<b>Incompatible materials</b>	No information available.

**7.3 Specific end use(s)****To absorb oil.**

## SAFETY DATA SHEET

Date of preparation: 23/05/2011

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned.						

#### 8.2 Exposure controls

##### 8.2.1 Appropriate engineering controls

Provide adequate ventilation.

##### 8.2.2 Personal protection equipment

Eye/face protection

Wear eye/face protection.



Skin protection (Hand protection/ Other)

Not normally required. Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection

Not normally required.

Handling of larger amounts: Recommended: Dust mask.



### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Form	Granules.
Colour	White.
Odour	Odourless.
pH (Value)	Not applicable.
Boiling Point (°C)	Not available.
Melting Point (°C)	Not available.
Flash Point (°C)	Not available.
Flammability (solid, gas)	Non-flammable.
Vapour Pressure (mm Hg)	Not applicable.
Specific Gravity	1.5g/cc.
Bulk Density	0.5 ± 0.1 g/cc.
Moisture rate	5 ± 3%
Hygroscopicity	Scarcely.
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	>250°C.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

**SAFETY DATA SHEET**

Date of preparation: 23/05/2011

**10. SECTION 10: STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
Stable under normal conditions.
- 10.2 Chemical stability**  
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**  
Stable under normal conditions.
- 10.4 Conditions to avoid**  
Avoid getting wet.
- 10.5 Incompatible materials**  
No information available.
- 10.6 Hazardous Decomposition Product(s)**  
Not available.

**11. SECTION 11: TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects**
- 11.1.1 Polymer**
- Acute toxicity**
- Ingestion**  
Ingestion toxicity data (oral) No data.  
Ingestion STOT-single exposure Not applicable.
- Inhalation**  
Inhalation toxicity data Low acute toxicity.  
Inhalation STOT-single exposure No data.  
Not applicable.
- Skin Contact**  
Skin contact toxicity data Low acute toxicity.  
No data.  
Skin Contact STOT-single exposure Not applicable.
- Eye Contact**  
Eye contact toxicity data Low acute toxicity.  
No data.  
Eye Contact STOT-single exposure Not applicable.
- Aspiration hazard**  
No data.
- Sensitisation**  
Skin sensitization data No data.  
Respiratory sensitization data No data.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Carcinogenicity No data.  
Germ cell mutagenicity No data.  
Reproductive toxicity No data.
- Repeated exposure toxicity**  
No data.
- Other information**  
None.

**12. SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 Toxicity** Low toxicity to aquatic organisms.
- 12.2 Persistence and degradability**  
No data.
- 12.3 Bioaccumulative potential**  
No data.
- 12.4 Mobility in soil**  
No data.
- 12.5 Results of PBT and vPvB assessment**  
None anticipated.
- 12.6 Other adverse effects**  
None anticipated.

**SAFETY DATA SHEET**

Date of preparation: 23/05/2011

**13. SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Bury on an authorised landfill site or incinerate under approved controlled conditions.

**14. SECTION 14: TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**14.1 UN number**

Not applicable.

**14.2 UN Proper Shipping Name**

Not applicable.

**14.3 Transport hazard class(es)**

Not applicable.

**14.4 Packing Group**

Not applicable.

**14.5 Environmental hazards**

Not applicable.

**14.6 Special precautions for user**

**Keep polymer in polyethylene bag to avoid damage.** Avoid getting wet. Avoid rough handling.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**15. SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP).

**Classification, Labelling and Packaging of chemical substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EEC, and amending Regulation (EC) No 1907/2006.**

Directive 67/548/EEC & Directive 1999/45/EC (DSD & DPD).

**Dangerous Substances Directive & Dangerous Preparations Directive.**

**15.2 Chemical Safety Assessment**

**A Chemical Safety Assessment has not been carried out for this substance/mixture.**

**16. SECTION 16: OTHER INFORMATION**

<b>Label elements</b>	According to Directive 67/548/EEC & Directive 1999/45/EC
Hazard Symbol	None.
Risk Phrases	None.
Safety Phrases	None.

The following sections contain revisions or new statements: 1-16.

**LEGEND**

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEL	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

**SAFETY DATA SHEET**

Date of preparation: 23/05/2011

**Disclaimers**

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Mitsubishi Rayon Co., Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Mitsubishi Rayon Co., Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

**Annex to the extended Safety Data Sheet (eSDS)**

No information available.