



SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

VIVAK SHEETS

Version 1.0

Revision Date 24.08.2012

Print Date 25.08.2012

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name : **VIVAK SHEETS**

Relevant identified uses of the substance or mixture and uses advised against

Use : Semi-finished products for the production of plastic articles

Details of the supplier of the safety data sheet:

Bayer MaterialScience AG
BMS-IO-S&T-PSRA-PSI Product Safety
51368 Leverkusen

Tel.: +49 214 30 25026

Fax: +49 214 30 9650035

Email: productsafety@bayerbms.com

Emergency telephone number: Im Notfall: +49 214 30 99300 (Sicherheitszentrale Bayer)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (1272/2008/CE):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (2006/121/EC, 1999/45/EC):

No classification according to EC Directives 2006/121/EC or 1999/45/EC.

Label elements

Labelling (1272/2008/CE):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Labelling (2006/121/EC, 1999/45/EC):

No labeling necessary according to EC Directives 2006/121/EC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Type of product: Mixture

polyester based on terephthalic acid



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4. FIRST AID MEASURES

Description of first aid measures

General advice: No hazards which require special first aid measures.

5. Fire-fighting measures

Suitable extinguishing media: sprayed water jet, Dry chemical, Carbon dioxide (CO₂), Foam

Special hazards arising from the substance or mixture:

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

Advice for fire-fighters:

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

6. ACCIDENTAL RELEASE MEASURES

Methods and material for containment and cleaning up: Use mechanical handling equipment.

7. HANDLING AND STORAGE

Precautions for safe handling:

Dust must be removed by effective exhaust ventilation.

In the case of thermal or laser processing of the product, provide for effective extraction at the machines.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work and use skin-protecting ointment. Change heavily soiled clothing.

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Conditions for safe storage, including any incompatibilities:

No special storage conditions required.

VCI storage class (VCI = German Association of the Chemical Industry): 11

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure controls****Respiratory protection:**

In case of dust formation use respiratory equipment with filter type particle filter P1 according to EN 143.

Hand protection:

Suitable materials for safety gloves; EN 374:

Polyvinyl chloride - PVC (≥ 0.5 mm)

Recommendation: contaminated gloves should be disposed of.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance:	Sheet	
Colour:	different according to colouration	
Odour:	odourless	
pH:	not applicable	
Melting point/range:	220 - 230 °C	
Softening point:	150 - 160 °C	
Vapour pressure:	not applicable	
Density:	ca. 1,2 g/cm ³ at 20 °C	DIN 53479
Water solubility:	insoluble	
Autoignition temperature:	> 450 °C	
Ignition temperature:	> 450 °C	
Decomposition temperature:	≥ 380 °C	

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Viscosity, dynamic:	not applicable
Dust explosion class:	not applicable

10. STABILITY AND REACTIVITY**Chemical stability:**

Fumes evolved by overheating during improperly processing or by burning may be injurious to health.

Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Hazardous decomposition products: Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed.

11. TOXICOLOGICAL INFORMATION

No detrimental effects to health are known where the product is handled properly and industrial hygiene precautions are observed.

12. ECOLOGICAL INFORMATION

No effects known to be harmful to the environment.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Waste treatment methods

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

The product is suitable for mechanical recycling. After appropriate treatment it can be remelted and reprocessed into new moulded articles. Mechanical recycling is only possible if the material has been selectively retrieved and carefully segregated according to type.

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14. TRANSPORT INFORMATION**ADR/RID** Not dangerous goods**ADN** Not dangerous goods

This classification data does not apply to transportation by tanker. If required, additional information can be requested from the manufacturer.

IATA Not dangerous goods**IMDG** Not dangerous goods

Special precautions for user : Not dangerous cargo.
Keep dry.

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

Water contaminating class (Germany): nw not water endangering
(in accordance with Annex 1 to the Directive on Water-Hazardous Substances)

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
