1 Substance-/Compound- and Company Information

- **Product Information**
  - **Trade name:** 3dk-Top – Heat Resistant Filament
  - **Supplier/Manufacturer:**
    BERNHARDT Kunststoffverarbeitungs GmbH
    Ruppriner Chaussee 325
    D-13503 Berlin
    Tel.: +49-3304-20 49 81  Fax: +49-3304-20 49 89  Email: gb@beku-gmbh.de
  - **Disclosing division:**
    Herr Volker Bernhardt
    Tel.: +49-3304-20 49 82  Fax: +49-3304-20 29 89  Email: vb@beku-gmbh.de
  - **In case of emergency:** Giftnotruf Berlin Tel.: +49-30-1 92 40

2 Componental Information

- **Chemische Charakterisierung:**
  - **CAS-Nr.**
    Designation
    25640-14-6 Copolyester
  - **Identification number(s)**

3 Possible Risks

- **Risk Phrase:** none
- **Special risk phrase for humans and the environment:** Based on available information, this product is no harmful substance in the sense of the chemicals act (ChemG) and the Ordinance on hazardous substances (GefStoffVO) currently valid.
- **Classification:** Classification corresponds currently valid EG-lists and is supplemented with information derived from specialist literature and company information.

4 First Aid

- **In General:** No actions necessary.
- **Inhalation:** No actions necessary.
- **Skin contact:** No actions necessary.
- **Eye contact:** No actions necessary.
- **Swallowing:** Contact your medical center

5 In case of fire / combusting

- **Extinguishing agents:**
  - CO2, extinguishing powder or spraying waterjet. Major fires must be extinguished with spraying waterjet or alcohol resistant foam.
  - **For safety reasons inappropriate extinguishing agents:** non-spraying waterjets
  - **Exceptional hazard from the substance, ist combustion products or resulting gases:**
    For information regarding hazardous degradation products consult chapter 10: Stability and Reactivity
  - **Safety Equipment:** Air independent respirator.

- **Additional Information:**
  - Contaminated extinguishing water must be held separated. Contaminated extinguishing water and residue of fires must be disposed correlating to applicable law. (continued on page 2)
6 Unintended exposure:

- **Personal safety measures**: No actions necessary.
- **Environmental safety measures**: No actions necessary.
- **Cleaning**: Pick up mechanically.
  The substance must be stored in containers either suitable for recycling or proper disposal.
- **Additional information**: No hazardous substances are emitted.

7 Handling and Storage

- **Handling**:
- **Information on safety requirements**: No actions necessary.
- **Information on fire protection and explosion**: No actions necessary.
- **Storage**:
  - **Storage requirements**: Store at room temperature, store dry.
  - **Storage with other substances**: No actions necessary.
- **Additional information**: None.
- **Storage Class**: 11 Combustable solids

8 Limitation of exposure and personal protective equipment

- **Additional information on construction of technical equipment**: Requires air ventilation.
- **Components which must be monitored**: None
- **Additional information**: This information is sourced from the currently valid lists.

9 Physical and chemical properties

- **Overview**
  - **Form**: solid Monofilament **Color**: depends on coloring klar **Smell**: none
  - **Change of State**
    - **Melting Point / Range**: > 100°C
    - **Boiling Point / Range**: Not Tested
    - **Vicat refractory deformation temperature crystallized**: >200°C
  - **Flashpoint**: Not Applicable
  - **Self Inflammation**: The product is not self inflammable.
  - **Danger of explosion**: The product is not explosive.
  - **Gravity at 20°C**: > 1 g/cm³
  - **Solubility in Water**: Not Soluble (Continued on page 3)
10 Stability and Reactivity

- **Thermal Decomposition**: None if handled properly.
- **Substances which are to be avoided**: Strong oxidants
- **Dangerous reactions**: Not known.
- **Dangerous products of decomposition**: In case of fire the following products can emit: Carbonous Monoxide and Carbonous Dioxide

11 Toxicology

- **Primary irritant effect**:
  - **Skin**: None
  - **Eyes**: None
  - **Sensitisation**: Not known
- **Additional Information**: The product is not a subject to marking. This is due to the calculating methods provided by the general guideline for

12 Ecological information

- **General**: Not hazardous to aquatic organisms and water

13 Disposal

- **Product**:
  - **Suggestion**: Disposal under guidelines of the local authorities.
  - **EAK**: 17 02 03 Plastic
  - **Ungereinigte Verpackungen**: Suggestion: Disposal under guidelines of the local authorities.

14 Transport Information

- **Land ADR/RID and GGVS/GGVE (Crossing Borders/Inland)**:
  - **ADR/RID-GGVS/E Class**: Non HAZMAT
- **Overseas IMDG/GGVSea**:
  - **IMDG/GGVSea-Class**: Non HAZMAT
  - **Marine pollutant**: No
- **Air ICAO-TI und IATA-DGR**:
  - **ICAO/IATA-Klasse**: Non HAZMAT
  - **Postal (Inland)**: valid

15 Guidelines

- **Marking under EWG-Guidelines**: The usually precautions on handling chemicals are to be sourced. The product is not a subject to marking.

- **National Guidelines**:
  - **Water Pollutant**: No

16 Auxiliaries:

This information is compiled under use of our momentary available knowledge. They do not warrant either product properties and do not serve as a base for legal contracting.