

ZOTEFOAMS plc

**SDS-37
ZOTEK[®] N
Polyamide Foam
Black**

SAFETY DATA SHEET

(SICHERHEITSDATEN BLATT)

This safety data sheet has been prepared in accordance with the requirements of EC Directive 2001/58/EC and provides information relating to the safe handling of the product.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY (STOFF-/ZUBEREITUNGS UND FIRMENBEZEICHNUNG)

1.1 Product Name (Handelsname):

ZOTEK[®] N, Polyamide foam

1.2 Company Name (Hersteller/Lieferant):

Zotefoams plc.
675 Mitcham Road
Croydon
Surrey CR9 3AL – UK
www.zotefoams.com
Tel: 020 8664 1600

1.3 Emergency Contact:

Safety Advisor / Technical Manager.

2. COMPOSITION/INFORMATION ON INGREDIENTS (ZUSAMMENSETZUNG / ANGABEN ZU BESTANDTEILEN)

2.1 Chemical Composition

Based on polyamide 6 (PA 6)
Possibly containing pigments, dyes, additives.

CAS No.: 25038-54-4

2.2 Does not contain hazardous substances according to EC directive 2001/58/EC.

3. HAZARDS IDENTIFICATION (MÖGLICHE GEFAHREN)

In the event of fire or prolonged exposure to high temperatures, thermal decomposition products may result in the generation of toxic and corrosive products.

May generate static electricity.

4. FIRST AID MEASURES (ERSTE-HILFE MASSNAHMEN)

Inhalation: After accidental inhalation of fumes or thermal decomposition products remove the person to fresh air as quickly as possible. Seek medical help and keep calm and warm.

Skin Contact: After contact with molten polymer, immediately cool with cold water for a prolonged time. Remove affected clothing. Do not peel polymer from skin. Cover burns with sterile dressings. Seek medical attention.

Eye Contact: If material particles/dust enter the eye do not rub. Rinse immediately with plenty of water. Seek medical attention if discomfort continues.

Ingestion: Wash mouth and seek medical attention.

5. FIRE FIGHTING MEASURES (MASSNAHMEN ZUR BRANDBEKÄMPFUNG)

Suitable Extinguishing Media: Water, foam, dry powder, carbon dioxide.

Unsuitable Extinguishing Media: None known.

Special Protective Equipment For Fire-fighting: Wear self-contained breathing apparatus and protective clothing. Prevent exposure of skin and eyes to decomposition products.

Additional Advice: This product supports combustion and will continue to burn on removal of the source. In the case of fire thermal decomposition toxic products and combustible gasses are released.

6. ACCIDENTAL RELEASE MEASURES (MASSNAHMEN BEI UNBEABSICHTIGTER FREISETZUNG)

Not relevant.

7. HANDLING AND STORAGE (HANDHABUNG UND LAGERUNG)

Handling:

Provision should be made for sufficient ventilation and local exhaust where dust/fumes may be produced.

Avoid dust generation.

Where dust is produced, measure must be taken to avoid static electricity discharge. Equipment used should be electrically earthed and fitted with static elimination devices.

Storage:

Store in a dry well ventilated area away from direct sunlight, heat and ignition sources. The appropriate company regulations for fire prevention are to be followed.

No special requirements.

Keep away from strong oxidising agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (EXPOSITIONSBEGRENZUNG UND PERSÖNLICHE SCHUTZAUSRÜSTUNG)

Observe normal rules of industrial hygiene

Exposure Controls:

For operations where dust/fumes may be released observe local/national regulations/guidance regarding exposure. Ensure local ventilation during processing and handling, suitable for the risk of decomposition.

Personal Protection:

- Respiratory protection: During dusty operations use respiratory protection (e.g. filter mask with P1 filter).
- Eye protection: For mechanical operations safety glasses may be appropriate.
- Hygiene measures: General industrial hygiene regulations should be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES (PHYSIKALISCHE UND TECHNISCHE EIGENSCHAFTEN)

9.1 General Properties

Form:	Foam sheet
Colour:	Black
Odour:	None

9.2 Specific Properties

<p>Melting Point : 220 °C Decomposition Temperature : > 300 °C Explosive Properties : None Vapour Pressure : Not Applicable Density : - Polymer : Approx. 1100 kg/m³ at 20 °C - Foam : 50 kg/m³ nominal Solubility in water : Insoluble</p>
<p>10. STABILITY AND REACTIVITY (STABILITÄT UND REAKTIVITÄT)</p> <p>Chemical Stability: Decomposes above 300 °C.</p> <p>Conditions to Avoid: Temperatures above the thermal decomposition temperature. Contact with sources of ignition.</p> <p>Materials to Avoid: Concentrated or strong oxidizing agents (e.g. concentrated sulphuric acid)</p> <p>Hazardous Decomposition Products: May generate toxic and irritant gases. Decomposition products are predominantly carbon dioxide and carbon monoxide. In addition nitric oxide, amine, ammonia, ε-caprolactam, nitrile, aliphatic and aromatic hydrocarbons, aldehyde, hydrogen cyanide, sulphur dioxide can be generated, as well as small quantities of ketone and acids.</p>
<p>11. TOXICOLOGICAL INFORMATION (ANGABEN ZUR TOXIKOLOGIE)</p> <p>In normal use, no toxic effects are known.</p>
<p>12. ECOLOGICAL INFORMATION (ANGABEN ZUR ÖKOLOGIE)</p> <p>Material is insoluble in water.</p>
<p>13. DISPOSAL CONSIDERATION (HINWEISE ZUR ENTSORGUNG)</p> <p>Dispose of in accordance with local regulations.</p> <p>Recycling is possible.</p>
<p>14. TRANSPORT INFORMATION (ANGABEN ZUM TRANSPORT)</p> <p>Material is classified as non-hazardous.</p>

15. REGULATORY INFORMATION (VORSCHRIFTEN)

None necessary.

16. OTHER INFORMATION (SONSTIGE ANGABEN)

None.

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