

01. Identification of the substance/mixture and of the company

Product name: ITB Brushes (TYNEX® Nylon Filament)

Code number(s): ITB-30-12, ITB-30-9, ITB-60-9, ITB-60-12

Purpose of product: Intended as a tool for the cleaning of internal channels of items.

Manufacturer/supplier: Healthmark Industries Co.

Address: 18600 Malyn Blvd. / Fraser, MI 48026

Telephone/Fax/Email: (800) 521-6224 / (586) 491-2113 / healthmark@hmark.com

Emergency telephone number: (800) 424-9300 (24-hour service)

02. Hazards identifications

Classification of the substance or mixture: N/A

Pigment: N/A

Adverse environmental and human health effects: N/A

03. Composition/information on ingredients

<u>Description of the mixture:</u>	<u>CAS #:</u>	<u>% by Weight</u>
Polyhexamethylene dodecanamide (Polyamide 612)	26098-55-5	
Small amounts of colorants, lubricants, stabilizers, and/or additives		

Hazardous ingredients: Materials to avoid: Strong acids, bases, oxidizing agents

General information: Stable under normal use conditions.

Conditions to avoid: Temperatures above 340°C (644°F)

Decomposition products: Carbon monoxide, ammonia, aldehydes

Spill: Sweep up to prevent slipping hazard.

Following inhalation: Move to fresh air in case of accidental inhalation of fumes molten polymer. Consult physician after significant exposure to fumes.

Following skin contact: Wash off immediately with soap and plenty of water, cool skin rapidly with cold water. Do not peel polymer from skin. Obtain medical attention.

Following eye contact: Rinse with water

Following ingestion: Ingestion is not a probable route of exposure.

Notes for the doctor: N/A

04. Firefighting measures

Suitable extinguishing media: Water, carbon dioxide (CO₂), foam, dry powder

Unsuitable extinguishing media: N/A

Special hazards arising from the substance and combustion products:

Advice for firefighters: N/A

05. Accidental release measures

General information: N/A

Environmental precautions: N/A

Additional information: Provide appropriate exhaust ventilation, mainly in areas where fumes from molten polymer or dust may occur. Refer to the DuPont brochure *Proper Use of Local Exhaust Ventilation During Processing of Plastics* for additional guidance.

06. Handling and storage

Precautions for safe handling: N/A

Fire Preventions: N/A

Technical measures and storage conditions: N/A

07. Exposure controls/personal protection

Control parameters: Nuisance dust: 15 mg/m³ (Reference: US OSHA regulations)
Respirable dust: 8-hr. TWA-5 mg/m³ (Reference: US OSHA regulations)

Personal protective equipment: N/A

Hand protection: N/A

Respiratory protection: The use of an appropriate respirator is recommended should dust exceed above limits.

Eye protection: Safety glasses are recommended

Advice on general occupational hygiene: Use good work practices. Wash hands after use. Do not breathe dusts or molten polymer vapors.

Environmental exposure controls: N/A

08. Physical and chemical properties

Appearance: N/A

Physical state: N/A

Color: N/A

Odor: Odorless, monofilaments in a variety of colors.

Safety relevant basic data: N/A

Explosion hazard: N/A

Density: N/A

pH: N/A

Initial boiling point/range: °C /°F N/A

Solubility: Insoluble

Flash point: 400 °C /752°F (ASTM D1929)

Ignition temperature: 400°C /725°F

Melting point: 208-215°C /406-419 °F

Specific Gravity: 1.04-1.08

Conditions to avoid: N/A

Incompatible materials: N/A

09. Stability and reactivity

Conditions to avoid: N/A

Incompatible materials: N/A

Hazardous decomposition products: N/A

10. Toxicological information

Information on toxicological effects: N/A

Irritation: N/A

Sensitization: N/A

Inhalation: N/A

Practical experiences: N/A

Ingredient: N/A

11. Ecological information

Terrestrial toxicity: No data available

Aquatic toxicity: N/A

Mobility: N/A

Persistence and degradability: N/A

Bio accumulative potential: N/A

Results of PBT and vPvB assessment: N/A

Other adverse effects: N/A

12. Disposal considerations

Product: Please refer to applicable local, state and federal regulations.

Contaminated packaging: N/A

Uncontaminated packaging: N/A

13. Transport information

UN-No: N/A

Proper shipping name: N/A

Classification code: N/A

Packing group: N/A

Hazard label: N/A

14. Regulatory information

Material safety evaluation: N/A

Regulation on combustible liquids: N/A

Class according 2009/104/EG (BetrSichV): N/A

Water hazard class: N/A

Storage according TRGS 510 (Storage of hazardous substances in non-stationary containers): N/A

15. Other information

Recommended application: Store in cool place. Do not store brushes above 104°F (40°C). Shield from direct sun exposure or fluorescent lighting to prevent discoloration. Do not store in areas that are damp or in high humidity.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications see DuPont *CAUTION* Bulletin No. H-50102.

Relevant R-, H-, and EUH-phrases: N/A

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and beliefs at the date of the publication however no guarantee is made to its accuracy. This 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 other processes.

