

Product Name: TPU Belt

P.1

Manufacture Safety Data Sheet

Composition /Information on Ingredients:

Thermoplastic Polyurethane Elastomer (TPU95A)

Hazards Identification:

This product is not considered hazardous at ambient conditions and there are no known or expected health effects. When handling this product the friction could develop a hazardous charge of elastic electricity with the risk of fire or explosion when dealing with flammable solvents (See section : 7). High temperature may generate fumes and vapors sufficient to cause eye, skin and upper respiratory tract irritation if ventilations is inadequate . Molten polymer may cause thermal burns to skin and serious burns to eyes. These are no known chronic effects associated with this material. In case of spillage, possible risk of slipping.

First Aid Measures:

- Inhalation: If decomposition products are inhaled, remove person to fresh air. If irritation develops or persists, obtain medical attention.
- Skin: Wash off with water and soap. If molten polymer contacts the skin, cool the skin rapidly with water. Get medical attention if necessary.
- Eye: Flush eye with water, mechanical effect only.
- Ingestion: No adverse effects anticipated

Fire Fighting Measures:

- Suitable Extinguishing Media

Carbon dioxide, chemical foam, dry powder, water spray

- Combustion products

Under fire conditions, polymer decomposes generating smoke and unidentified toxic and irritating compounds.

- Special Fire Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Accidental Release Measures:

In case of spill sweep up material and place in containers for re-use or disposal.

Handle and Storage:

Handling

- . Avoid dust formation and ignition sources.
- . Handle and open container with care.
- . Do not eat, drink or smoke at work place.

Storage

- . Store in a cool , dry, well-ventilated area
- . Store away from heat and ignition sources
- . Store away from incompatible materials.

Exposure Control / Personal Protection

- Respiration protection: For most conditions, no respiratory protection should be needed. When dealing with solvents or at elevated temperature without sufficient ventilation, use an approved air-purifying respirator.
- Eye protection: chemical safety goggles.
- Skin and body protection: Wear appropriate protective clothing to prevent skin and body exposure.

Physical and Chemical Properties

| | |
|-------------------|-----------------------|
| Appearance: | Granules |
| Odor: | Not noticeable |
| Flash Point: | Not noticeable |
| Vapor Pressure: | Not noticeable |
| Specific Gravity: | >1.00 |
| Solubility: | Not dissolve in water |

Stability and Reactivity

Product is stable at room temperature

Hazardous Decomposition products: Thermal breakdown products(combustion) may include a complex mixture of compounds, including but limited to CO, CO₂. Hydrogen cyanide, Oxides of nitrogen, hydrocarbons, isocyanates, water vapour smoke.

Toxicological Information

- Toxicity data: No toxicity studies have been conducted
- Inhalation: At room temperature, exposure to dust and vapours is unlikely, High temperature may generate vapours which may cause irritation and sensitization.
- Eyes: Solid or dust may cause irritation due to mechanical action, Elevated temperature may generate vapours sufficient to cause eye irritation.

Ecological Information

Not expected adverse effects from this product as furnished. No ecotoxicological information is available.

Material is expected to have low aquatic toxicity because of its insolubility in water.

Disposal Information

The unused product is not considered a hazardous waste.

Transportation Information

This product is not classified as dangerous for any mode of transportation.

Regulatory Information

This product does not need to be labeled according to EC regulation

EINECS status: All starting raw material of this product are listed on EINECS.

TSCA status: All ingredients are on the TSCA inventory.

Others

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